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Welcome

Dräger is a leading international company in the fields of medical and safety technology. Founded in Lübeck in 1889, Dräger has grown into a worldwide enterprise in its fifth generation as a family-run business. Our long-term success is predicated on a value-oriented corporate culture with four central strengths: close collaboration with our customers, the expertise of our employees, continuous innovation and outstanding quality.

“Technology for Life” is our guiding principle. Wherever they are deployed – in clinical settings, industry, mining or emergency services – Dräger products protect, support and save lives.

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Whilst every care has been taken in the compilation of this price list, and every attempt made to present up-to-date and accurate information, we cannot guarantee that inaccuracies will not occur. Dräger reserves the right to make any changes without providing prior notification.

Respiratory products from Dräger



Professional respiratory protection since 1889

Regardless of your industrial application, whether it be painting, welding, carpentry, metal processing or chemical handling, your safety is Dräger's prime objective. Even under the harshest conditions, with Dräger you will find a system solution that meets your needs.

For more than 100 years Dräger products have helped keep people breathing safely. The Dräger X-plore® range of respiratory protection products offers a complete selection of products and system solutions— tailored to meet your needs.

The ideal combination of comfort, easy handling and user safety is ensured by new materials, a modern and practical design, together with the experience of numerous engineers' world-wide and intensive dialogue with our customers.

This all adds up to offering solutions which meet your expectations.

Dräger Voice



We have something against danger at the working place

When something is in the air – regardless of dusts, gases or vapors – the use of high-quality respiratory protection is essential.

When it comes to selecting the right respiratory protection there are some important factors to consider: knowledge of the existing contaminants and the application requirements along with the limitations of use and the protection levels each respirator offers. Sound complicated? You are not alone, but Dräger has the right tools to support you and will help you every step of the way.

Our Dräger VOICE database of hazardous substances supports you in selecting the optimal mask-filter combination for your application. You can find it in the internet under www.draeger.com/voice

For a quick and easy orientation the following pages give you a short overview on the Dräger X-plore® product family, selected industrial applications, and the appropriate respiratory protection for your job.



Air Purifying Respirators

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Air Purifying Respirators



Selecting the Appropriate Respiratory Protection

Selecting the appropriate mask/cartridge/filter combination is extremely important to ensure that you are properly protected throughout the work day. The information contained in this brochure should only be used as guidelines and should not be used as a substitute for local/federal regulations or worksite specific conditions.

Additional information can be found in the product instruction manual or on your regulating agency's (e.g. OSHA, NIOSH) website.

Do not use an Air Purifying Respirator under the following conditions:

- In atmospheres containing less than 19.5% oxygen
- If type of contaminant or concentration is unknown
- In an IDLH (Immediately Dangerous to Life or Health) atmosphere
- If concentration is unknown, assume IDLH

If any of these conditions exist, you must use an appropriate supplied air respirator.

Basic information needed for selection:

- Know what type of hazards are present
- Concentration levels
- Assigned Protection Factor (APF): expected level of protection from a particular class of respirators – OSHA 1910.134

These items can be determined using one of Dräger's gas detection instruments from our comprehensive line, MSDS, product label, etc.

Once this information is known, an excellent resource to determine respirator type is to refer to the NIOSH Pocket Guide to Chemical Hazards (www.cdc.gov/niosh/npg). This guide lists the Permissible Exposure Limits (above this level respiratory protection is required), type of respiratory protection required, IDLH level, if eye irritant, if carcinogen, special instructions, etc.

Air Purifying Respirators

Mask Selection

Select mask type based on its Maximum Use Concentration ($MUC = APF \times PEL$), of course not exceeding the IDLH level, and determine if eye protection is necessary. In addition, check NIOSH Pocket Guide for substance specific guidelines.

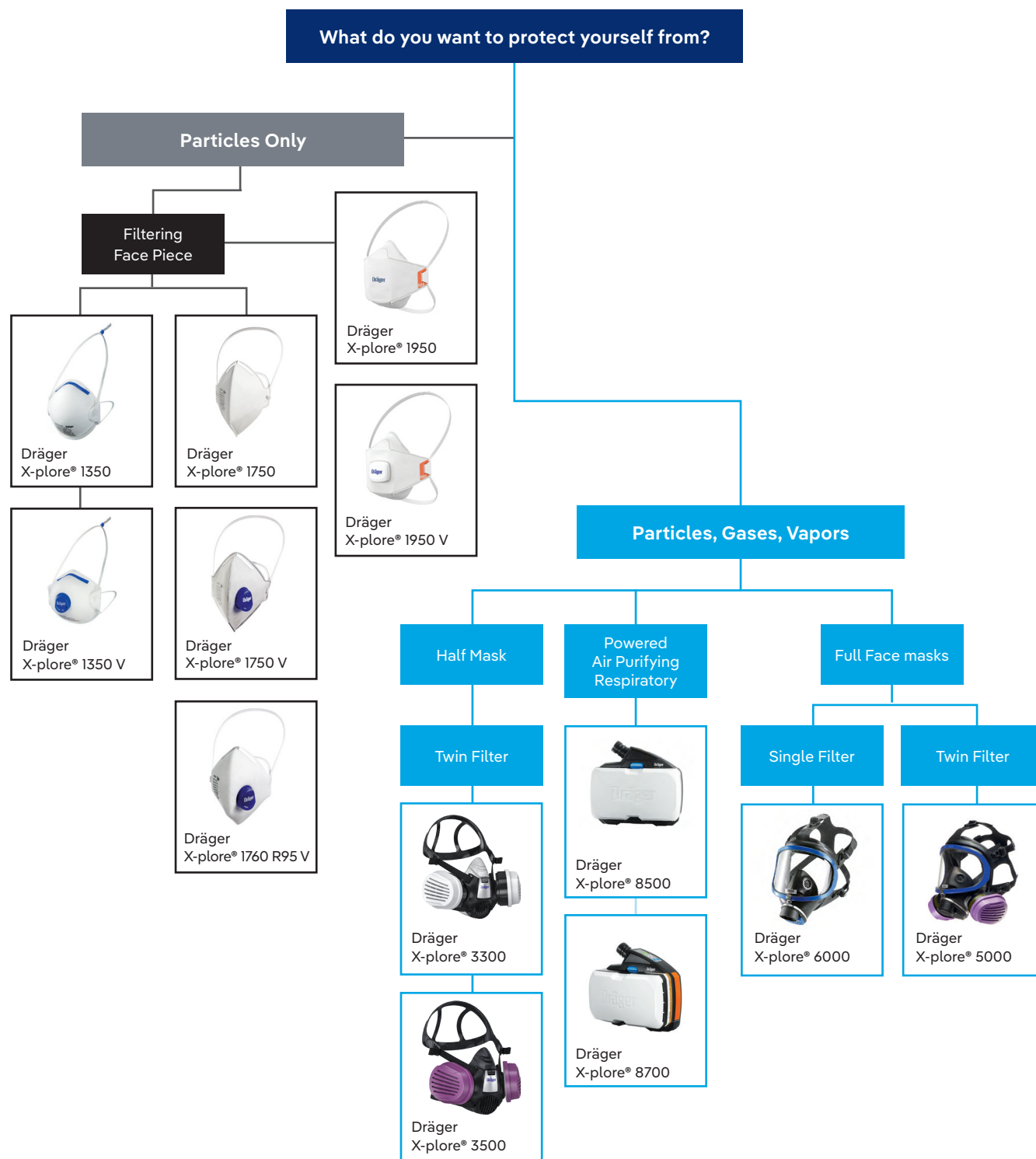
Filter/Cartridge Selection

First check the NIOSH Pocket Guide and follow any special instructions for the substance of concern.

- Filters – should be selected only when particles (solid or liquid) are present. If oil is present, then use an “R” or “P” version. N95 offers the minimum approved protection; P100 provides the maximum approved protection.
- Single Gas Cartridges – should be selected only when gases or vapors from one particular family are present.
- Multi-Gas Cartridges – should be selected when gases or vapors from more than one family are present, or to reduce logistics when one cartridge is preferred in different areas containing different substances. Typically, multi-gas cartridges will last half as long as single gas cartridges.
- Combination Cartridges – should be selected when gases/vapors and particulates are present.

Air Purifying Respirators

The Dräger X-plore® Product Family





Dräger X-plore® 1300 NIOSH Particle Filtering Face Piece

The Dräger X-plore® 1300 combines proven and reliable respiratory protection with intelligent new ideas ensuring a high level of comfort and ease of use.

Air Purifying Respirators

Dräger X-plore® 1300	Size Rating	Pieces per Box	Order No.
Dräger X-plore® 1350 XS	N95	20	3951351
Dräger X-plore® 1350 S/M	N95	20	3951352
Dräger X-plore® 1350 M/L	N95	20	3951353
Dräger X-plore® 1350 V S/M	N95	10	3951355
Dräger X-plore® 1350 V M/L	N95	10	3951356
Dräger X-plore® 1350 V Odor S/M	N95	10	3951358
Dräger X-plore® 1350 V Odor M/L	N95	10	3951359

Dräger X-plore® 1300

Filter material	CoolSAFE™ for protection against particles; N-rated for particulate aerosols free of oil, maximum use of one work-shift
Odor versions	With additional activated carbon layer against nuisance organic odors below the limit value
Approvals	All versions are approved according to NIOSH 42 CFR Part 84



Dräger X-plore® 1700 NIOSH Particle Filtering Face Piece

Breathe cool, stay safe: Dräger X-plore® 1700 NIOSH makes breathing easy and comfortable. The CoolSAFE™ filter material ideally combines low breathing resistance and high filter performance in one mask. And the optional feature of the CoolMAX™ valve efficiently releases humid and warm exhaled air to the outside. This makes breathing particularly easy and keeps you cool under the mask.

Air Purifying Respirators

Dräger X-plore® 1700	Rating	Pieces per Box	Order No.
Dräger X-plore® 1750	N95	20	3951329
Dräger X-plore® 1750 V	N95	15	3951335
Dräger X-plore® 1760 V	R95	15	3951326

Dräger X-plore® 1700	
Filter material	CoolSAFE™ for protection against solid and liquid non-volatile particles
Approvals	NIOSH 42 CFR Part 84



Dräger X-plore® 1900 NIOSH Particle Filtering Face Piece

Dräger X-plore® 1900 is a high-performance, single-use particulate respirator for protection against fine dust and particles. The premium particle filtering face piece is available in two sizes, combining ease of use, exceptional comfort and optimal fit. This individually packaged flat fold respirator fits a wide range of face shapes and sizes.

Air Purifying Respirators

Dräger X-plore® 1900	Size	Rating	Pieces per Box	Order No.
Dräger X-plore® 1950	M/L	N95	20	3951950
Dräger X-plore® 1950	S	N95	20	3951951
Dräger X-plore® 1950 V	M/L	N95	10	3951955
Dräger X-plore® 1950 V	S	N95	10	3951956

V = versions with CoolMAX exhalation valve

Sizes: M/L = medium/large; S = small

Dräger X-plore® 1900		
Approvals	All versions are approved according to NIOSH 42 CFR Part 84	Protection class: N95
Materials*	Filter material CoolSAFE	Polypropylene
	VarioFLEX head straps	Polyester + elastane
	Holder for straps	Polypropylene
	CoolMAX valve: Housing / valve disc	Polypropylene / Isoprene
	Nose clip (integrated)	Tinplate (aluminum-free)
	Nose pad	synthetic foam
	*All components are latex-free	
Color		white
Dimensions (length x width x height in mm)	X-plore® 1950	215 x 80 x 10
	X-plore® 1950 V	215 x 80 x 23
Weight (in g)	X-plore® 1950	11.3
	X-plore® 1950 V	15.1
Country of origin	Sweden	



Dräger X-plore® 3500/3300 Half Mask

A perfect combination: modern design and light weight offer you extra protection and comfort. Choose the Dräger X-plore® 3500 premium mask for long lasting protection or the low maintenance, cost-effective protection of the X-plore® 3300.

Air Purifying Respirators

Dräger X-plore® 3500 / 3300		Order No.
Dräger X-plore® 3500 Premium Half Mask	size S	R55351
	size M	R55350
	size L	R55352
Dräger X-plore® 3300 Economy Half Mask	size S	R55331
	size M	R55330
	size L	R55332

Dräger X-plore® 3500 / 3300	
Mask body	Dräger X-plore® 3500: "DrägerFlex" material, black color. Dräger X-plore® 3300 Soft-TPE material, translucent grey color
Sizes	small (S), medium (M), large (L)
Weight	approx. 3.351 oz / 95 g
Approvals	NIOSH approval

Air Purifying Respirators



Wildland Respiratory Kit

This modern design and light weight half mask offers you extra protection and comfort. Wildland Respiratory Kit contains everything you need for long lasting protection under tough conditions.

Air Purifying Respirators

Wildland Respiratory Kit		Order No.
Wildland Respiratory Kit	Large Kit	NA10754
	Medium Kit	NA10753
	Small Kit	NA10752

Kit Specifications

Dimensions	8.5" x 5.9" x 3.5"
Sizes	Small (S), Medium (M), Large (L)
Weight	Aproximately 15.8 oz / 450 g

X-plore® 3500 Specifications

Mask Body	DrägerFlex – a durable material that is hypoallergenic
Sizes	Small (S), Medium (M), Large (L)
Weight	Approximately 3.351 oz / 95 g
Approvals	NIOSH approval

Air Purifying Respirators



Dräger X-plore® 5500 Full Face Mask

Whether in the chemical, metal, or automotive industries, ship building, supplies, or disposal: The Dräger X-plore® 5500 full face mask is the right solution for environments where not only increased respiratory protection is required, but also eye protection and a clear vision is mandatory.

Air Purifying Respirators

Dräger X-plore® 5500		Order No.
Dräger X-plore® 5500 EPDM/PC	With PC visor and plastic frame	R55270
Dräger X-plore® 5500 EPDM/Triplex	With Triplex visor and stainless steel frame	R56655
Application Sets	X-plore® 5500 + MultiGas+ Filter	3724701
	X-plore® 5500 + Combination Filter	3724700
Accessories	Spectacle Kit (frame and holder)	R51548
	Storage Bag	4055785
	Wikov V mask box	R51019
	Lens cover (set of 25), self-adhesive	4055092
	Anti-fog gel (50 ml)	R52560
	DAISYquick cleaning cloths (pack of 10)	R54134
	Welding protection PN/X-plore®	4053437

Bayonet Filters

See separate product information sheet: Dräger X-plore® Bayonet Filters

The Dräger X-plore® Bayonet Filter series offers an extensive range of particle, gas and combination filters (see separate datasheet).

Dräger X-plore® 5500	
Mask body	EPDM with high ageing resistance, hypoallergenic
Visor	Polycarbonate or Triplex
Filter connection	Two side-positioned bayonet connections for use of the Dräger X-plore® Bayonet filter range
Weight	Approx. 540 g
Approvals	NIOSH approval
Maintenance	Spare parts available



Dräger X-plore® Bayonet Filters **NIOSH**

Experience a new dimension of comfort and safety in respiratory protection: the Dräger X-plore® Twinfilter series. It sets the benchmark in comfort and use. The utilization of modern materials, coupled with an attractive design, guarantees maximum comfort and user acceptance.

Air Purifying Respirators

Filter Type	Packing Unit	Order No.
Particle Filters		
P100 Bayonet	22 pcs = 11 pairs	6740830
Pure P100	20 pcs = 10 pairs	6738350
Pure P100 Odor	20 pcs = 10 pairs	6738392
Gas Filters		
OV	20 pcs = 10 pairs	6738024
AM/MA	20 pcs = 10 pairs	6738027
OV/AG/HF/FM/CD	20 pcs = 10 pairs	6738025
Multi-Gas+ (OV/AG/HF/FM/CD/AM/MA/HS)	20 pcs = 10 pairs	6738351
Combination Filters		
OV/P100	14 pcs = 7 pairs	6738034
AM/MA/P100	14 pcs = 7 pairs	6738037
OV/AG/HF/FM/CD/P100	14 pcs = 7 pairs	6738035
Multi-Gas+ /P100 (OV/AG/HF/FM/CD/AM/MA/ HS/P100)	14 pcs = 7 pairs	6738361
Accessories		
Pure Adapter (for use with gas filters to combine with Pure P100)	10 pcs	6738356

Application Sets		
Dräger X-plore® 5500 + MultiGas + Filter (6738351)		3724701
Dräger X-plore® 5500 + Combination Filter (6738361)		3724700
Dräger X-plore® 3500 M + P100 Filter (6740830)		3703412
Dräger X-plore® 3500 M + MultiGas + Filter (6738351)		3723647
Dräger X-plore® 3500 M + Combination Filter (6738361)		3723646

Air Purifying Respirators

Filter Color Codes

Color Code	Filter Type	Contaminants present
	OV	Organic Vapors
	AG	Acid Gases: e.g. chlorine, hydrogen chloride, sulfur dioxide
	OV/AG	Organic Vapors/Acid Gases
	AM/MA	Ammonia/Methylamine
	MV	Mercury Vapor
		Multi-Gas and Vapor, Special Use
	P100	Particles

Chemical Abbreviation

OV = Organic Vapors	FM = Formaldehyde
AG = Acid Gases	CD = Chlorine Dioxide
CL = Chlorine	AM = Ammonia
HC = Hydrogen Chloride	MA = Methylamine
SD = Sulfur Dioxide Sulfide	HS = Hydrogen
HF = Hydrogen Fluoride	PH = Phosphine



Dräger X-plore® 6300 Full Face Mask

The Dräger X-plore® 6300 is the efficient yet low-cost full face mask intended for price-conscious users not wishing to compromise on comfort or quality. This full face mask is the successor to the Panorama Nova Standard, a mask which has proven itself over decades of use worldwide – redesigned and improved with fresh colors and an integrated barcode.

Air Purifying Respirators

Dräger X-plore® 6300		Order No.
Dräger X-plore® 6300 EPDM/PMMA	with PMMA lens and plastic frame	R55800
Accessories		
Full face case, hard plastic		R51019
Mask spectacles frame		R51548
Anti-fogging gel (50 ml)		R52560
DAISYquick cleaning cloths (pack of 10)		R54134
Welding shield		4053437
Anti-fogging spray (15 ml)		R56542
Lens overlay protectors, self-adhesive		4055092
The compatible Dräger X-plore® Rd40 (RA) filter series with standard thread connection as per EN 148-1 includes an extensive range of different particle, gas and combination filters (see separate data sheet Dräger X-plore® Rd40 filters for further details).		

Technical Data	
Mask body	Highly resistant and hypoallergenic EPDM
Visor	Scratch-proof PMMA (Plexiglas) with 180° wide-angle
Connector	Sturdy plastic with inhalation and exhalation valve, standard thread connection Rd 40x1/7" as per EN 148-1
Weight	Approx. 500 g
Tested and approved	NIOSH approved, EN 136 Cl.2 with CE mark



Dräger X-plore® 6530 Full Face Mask

The full face mask Dräger X-plore® 6530 is the successor to the Panorama Nova RA masks, meeting the highest demands for quality, reliability and secure fit. The mask body made from EPDM is highly resistant and skin-friendly, offering high wearing comfort.

Air Purifying Respirators

Description		Order No.
Dräger X-plore® 6530 EPDM/PC	With PC visor and plastic frame	R55795
Dräger X-plore® 6530SS EPDM/PC	With PC visor and stainless steel frame	R51525
Accessories		
Full face case, hard plastic		R51019
Mask spectacles kit		R51548
Lens covers (set of 25), self-adhesive		4055092
Anti-fogging gel (50 ml)		R52560
DAISYquick cleaning cloths		R54134
Anti-fogging spray (15 ml)		R56542
Welding protection visor (only for stainless steel frame)		4053437
Full Face Bag		4055785

The compatible Dräger X-plore® Rd40 filter series with standard thread connection as per EN 148-1 includes an extensive range of different particle, gas and combination filters (see separate data sheet Dräger X-plore® Rd40 filters for further details).

Technical Data	
Mask body	Highly resistant and hypoallergenic EPDM
Visor	Polycarbonate with 180° wide-angle
Connector	Sturdy plastic with inhalation and exhalation valve, standard thread connection Rd 40x1/7" as per EN 148-1
Weight	Approx. 1.1 lbs)
Approvals	NIOSH approved, EN 136 Cl.2 with CE mark



Dräger X-plore® 6570 Full Face Mask

The Dräger X-plore® 6570 is the high comfort full face mask used by professionals in a wide variety of applications. It is the successor to the Panorama Nova RA masks, a range which has proven itself over decades of use worldwide. Its robust but flexible and skin-friendly mask body made from silicone features high wearing comfort – even when used for long periods of time.

Air Purifying Respirators

Description		Order No.
Dräger X-plore® 6570 SI/PC Blue	With PC visor and plastic frame	R55790
Dräger X-plore® 6570 SI/PC Yellow	With PC visor and stainless steel frame	R51535
Accessories		
Full face case, hard plastic		R51019
Mask spectacles kit		R51548
Lens covers (set of 25), self-adhesive		4055092
Anti-fogging gel (50 ml)		R52560
DAISYquick cleaning cloths		R54134
Anti-fogging spray (15 ml)		R56542
Welding shield		4053437
Full Face Bag		4055785

The compatible Dräger X-plore® Rd40 filter series with standard thread connection as per EN 148-1 includes an extensive range of different particle, gas and combination filters (see separate data sheet Dräger X-plore® Rd40 filters for further details).

Technical Data	
Mask body	Particularly skin-friendly silicone, which is highly flexible at high/low temperatures
Visor	Impact- resistant Polycarbonate
Connector	Sturdy plastic with inhalation and exhalation valve, standard thread connection Rd 40x1/7" as per EN 148-1
Weight	Approx. 520 – 620 g (depending on visor/frame)
Approvals	NIOSH approved, EN136 CL.3 with CE mark



Dräger X-plore® Rd40 Filters - NIOSH

—

Dräger respiratory protection filters have been a synonym for experience and safety worldwide. They clean breathable air from contaminants in a low-cost and effective manner.

Air Purifying Respirators

Filter Type	Packing Unit	Order Code
Particle Filter		
P100	8	6737013
Combination Filter		
Phosphine/Tear Gas (CS,CN)/P100	6	6737360



Dräger CDR 4500 Full Face Mask

The Dräger CDR 4500 full face mask, combined with our CBRN Cap 1 canister, provides a CBRN approved combination specially developed for use in civil defense and civil protection.

Air Purifying Respirators

Dräger CDR 4500	Order No.
Dräger CDR 4500 (black plastic lens frame)	R55440
Dräger CDR 4500 (black steel lens frame), small	R55575
Dräger CDR 4500 (black steel lens frame), medium	R55710
Dräger CDR 4500 (black steel lens frame), large	R55580
CBRN Cap 1 canister	3703226
Accessories	
Protex mask bag	R54939
Wikov V mask box	R51019
Spectacle kit	R51548
Anti-fog spray, 15 ml	R56542

Technical Data	
Mask as a whole	High chemical resistance according to EN 136, resistance even against warfare agents (to US NIOSH CBRN standard). High ageing resistance
Mask body	Silicone-free elastomer
Sealing frame	Double seal with triple sealing line for comfortable, tight fit
Visor	Impact-proof polycarbonate (PC) with anti-scratch coating on both sides for high chemical resistance Large field of vision and excellent quality of vision
Canister connection	Standard thread NATO 40 mm
Weight	Approx. 500 g (without canister)
Harness	Harness 5-point (large adjusting points to prevent trapping of hair)
Neck strap	As standard
Speech diaphragm	Stainless steel, high speech quality
Resistance	To US CBRN APR standard against sarin and mustard gas for up to 8 hours
Approvals	US NIOSH CBRN standard (TC-14G-0286) also approved to EN 136 Cl. 3, CE mark

Further information available from the technical datasheet.



Dräger X-plore® 8500 Powered Air-Purifying Respirator

Challenging working environments require a robust and reliable protective solution. The X-plore® 8500 powered air-purifying respirator delivers uncompromising respiratory protection against particles, gases and/or vapours combined while ensuring high wearing comfort with no breathing resistance. Benefit from versatile combination options with the X-plore® 8000 filter portfolio, a wide range of headpieces, carrying systems and other system components.

Air Purifying Respirators

Component		Description	Order No.
Blower unit		Dräger X-plore® 8500	R59500
Batteries		Dräger X-plore® 8000 Standard battery	R59565
		Dräger X-plore® 8000 High-capacity battery	R59585
Charger		Dräger X-plore® 8000 Standard charger	R59780
		Dräger X-plore® 8000 Multi-unit charger, 1 module w/o cable	R59890
		Dräger X-plore® 8000 Multi-unit charger, 1 module w/USA cable	R59980
Carrying systems		Dräger X-plore® 8000 Standard belt	R59700
		Belt extension for Dräger X-plore® 8000 Standard belt, 35 cm (13.8 in)	R59750
		Dräger X-plore® 8000 Comfort pad	R59730
		Dräger X-plore® 8000 Decon belt	R59710
		Belt extension for Dräger X-plore® 8000 Decon belt, 35 cm (13.8 in)	R59760
		Dräger X-plore® 8000 Welding belt	R59720
		Dräger X-plore® 8000 Shoulder carrying system	R59740
		Dräger X-plore® 8000 Standard hose (for full-face masks)	R59630
Breathing hoses	Standard hoses	Dräger X-plore® 8000 Standard hose (for helmets, visors and hoods)	R59620
	Flexible hoses	Dräger X-plore® 8000 Flexible hose (for full-face masks)	R59610
		Dräger X-plore® 8000 Flexible hose (for helmets, visors and hoods)	R59600

Air Purifying Respirators

Component		Description	Order number
Filter	Prefilter	Dräger X-plore® 8000 Prefilter	6739730
		Dräger X-plore® 8000 Odor filter	6739605
		Dräger X-plore® 8000 Odor filter, set	6739735
	Particle filter	X-plore® 8000 Filter HE	6739540
		X-plore® 8000 Filter OV	6739575
	Gas filter	X-plore® 8000 Filter Multigas (CL/HF/AM/MA/FM/HS/SD/HC)	6739590
		X-plore® 8000 Filter OV/HE	6739560
	Combination filter	X-plore® 8000 Filter OV/AG/HE	6739565
		X-plore® 8000 Filter MultiGas/ HE (CL/HF/AM/MA/FM/HS/SD/HC/HE)	6739570
Accessories		Dräger X-plore® 8000 Storage box	R59690
		Dräger X-plore® 8000 Unit cover	R59880
		Dräger X-plore® 8000 Hose cover, disposable	R59670
		Dräger X-plore® 8000 Hose cover, spark proof	R59660
Headpieces	Full-face masks, hoods, head protection-hood combination, face shields, helmets	Detailed information on our extensive portfolio of X-plore® 8000 headpieces can be found in the respective separate product information.	

Please adhere to the instructions for use to ensure the required safety precautions for specific applications are fulfilled.

Air Purifying Respirators

Dräger X-plore® 8500

Approvals	NIOSH - 42 CFR 84 with Dräger X-plore® 8000 hoods, helmets, face shield, X-plore® 6000 and FPS® 7000 full-face masks
Ingress protection	IP65 (6=Protection against dust ingress, 5=Water jets from all directions)
Airflow	Automatic setting of operating type: loose- or tight-fitting headpiece; Adjustable in three levels: Full-face mask: 115, 130 or 145 l/min Hoods, Helmets and Visors: 170, 190 or 210 l/min
Battery technology	ATEX approved lithium-ion technology Standard battery: Nominal voltage: 10.8 V Nominal capacity: 3.20 Ah High-capacity battery: Nominal voltage: 10.8 V Nominal capacity: 6.40 Ah
Operating time**	Standard battery: 4 - 8 High-capacity battery: 8 - 20 hours
Charging time	approx. 4 hours (up to 80 % can be charged in two hours)
Weight	approx. 1,400 g (3.lbs) (Dräger X-plore® 8500 incl. standard battery and splash guard lid)
Alarm system	Visual alarm (display on control panel) Audible alarm (≥ 80 dB(A) at 1 m) Vibration alarm
Belt length	Adjustable between 700 mm (27.5 in) and 1,400 mm (55 in) (standard belt and decontaminable belt)
Belt extension	350 mm (13.8 in) (standard belt and decontaminable belt)

* For exceptions, see technical data sheet

** Dependent on the set air flow and the breathing connection and filter type used.



Dräger X-plore® 8700 Powered Air-Purifying Respirator

Potentially explosive work areas place special demands on personal protective equipment, such as respiratory protection. Thanks to its ATEX and IECEx certification and dedicated safety functions, the X-plore® 8700 blower filter system is the ideal companion for working in potentially explosive atmospheres. The system thus offers reliable protection against particles, vapors and gases combined with a high level of wearing comfort, even in Ex zones 1, 2, 21 and 22.

Air Purifying Respirators

Component		Description	Order number.
Blower unit		Dräger X-plore® 8700 (EX)	R59550
Batteries		Dräger X-plore® 8000 Standard battery (Ex)	R59575
		Dräger X-plore® 8000 High-capacity battery (Ex)	R59595
Charger		Dräger X-plore® 8000 Standard charger	R59780
		Dräger X-plore® 8000 Multi-unit charger, 1 module w/o cable	R59890
		Dräger X-plore® 8000 Multi-unit charger, 1 module w/ USA cable	R59980
Carrying systems		Dräger X-plore® 8000 Standard belt	R59700
		Belt extension for Dräger X-plore® 8000 Standard belt, 35 cm	R59750
		Dräger X-plore® 8000 Comfort pad	R59730
		Dräger X-plore® 8000 Decon belt	R59710
		Belt extension for Dräger X-plore® 8000 Decon belt, 35 cm (13.8 in)	R59760
		Dräger X-plore® 8000 Welding belt	R59720
		Dräger X-plore® 8000 Shoulder carrying system	R59740
		Dräger X-plore® 8000 Standard hose (for full-face masks)	R59630
Breathing hoses	Standard hoses	Dräger X-plore® 8000 Standard hose (for helmets, visors and hoods)	R59620
	Flexible hoses	Dräger X-plore® 8000 Flexible hose (for full-face masks)	R59610
		Dräger X-plore® 8000 Flexible hose (for helmets, visors and hoods)	R59600
Filter	Prefilter	Dräger X-plore® 8000 Prefilter	6739730
		Dräger X-plore® 8000 Odor filter	6739605
		Dräger X-plore® 8000 Odor filter, set	6739735
	Particle filter	X-plore® 8000 Filter HE	6739540
	Gas filter	X-plore® 8000 Filter OV	6739575
		X-plore® 8000 Filter Multigas (CL/HF/AM/MA/FM/HS/SD/HC)	6739590
	Combination filter	X-plore® 8000 Filter OV/HE	6739560
		D X-plore® 8000 Filter OV/AG/HE	6739565
		X-plore® 8000 Filter MultiGas/HE (CL/HF/AM/MA/FM/HS/SD/HC/HE)	6739570

Air Purifying Respirators

Component		Description	Order number.
Accessories		Dräger X-plore® 8000 Storage box	R59690
		Dräger X-plore® 8000 Unit cover	R59880
		Dräger X-plore® 8000 Hose cover, disposable	R59670
		Dräger X-plore® 8000 Hose cover, spark proof	R59660
Headpieces	Full-face masks, hoods, head protection-hood combination, face shields, helmets, welding visors	Detailed information on our extensive portfolio of X-plore® 8000 headpieces can be found in the respective separate product information.	

Please adhere to the instructions for use to ensure the required safety precautions for specific applications are fulfilled.

Air Purifying Respirators

Dräger X-plore® 8700

Approvals	NIOSH - 42 CFR 84 with Dräger X-plore® 8000® hoods, helmets, face shield, X-plore® 6000 and FPS® 7000 full-face masks
	ATEX* II 2G Ex ib IIB T4 Gb (gas) II 2D Ex ib IIIB T135 °C Db (dust) I M2 Ex ib I Mb (underground mining) TA: -10 °C < Ta < +50 °C
	IECEX* Ex ib IIB T4 Gb (gas) Ex ib IIIB T135 °C Db (dust) Ex ib I Mb (underground mining) TAMB: -10 °C < Ta < +50 °C
Ingress protection	IP65 (6=Protection against dust ingress, 5=Water jets from all directions)
Airflow	Automatic setting of operating type: loose- or tight-fitting headpiece; Adjustable in three levels: Full-face mask: 115, 130 or 145 l/min Hoods, Helmets and Visors: 170, 190 or 210 l/min
Battery technology	ATEX approved lithium-ion technology Standard battery: Nominal voltage: 10.8 V Nominal capacity: 3.20 Ah High-capacity battery: Nominal voltage: 10.8 V Nominal capacity: 6.40 Ah
Operating time**	Standard battery: 4 - 8 High-capacity battery: 8 - 20 hours
Charging time	approx. 4 hours (up to 80 % can be charged in two hours)
Weight	approx. 1.530 g (3.3 lbs) (Dräger X-plore® 8700 incl. standard battery and splash guard lid)
Alarm system	Visual alarm (display on control panel) Audible alarm (≥ 80 dB(A) at 1 m) Vibration alarm
Belt length	Adjustable between 700 mm (27.5 in) and 1,400 mm (55 in) (standard belt and decontaminable belt)
Belt extension	350 mm (13.8 in) (standard belt and decontaminable belt)

The welding visors, the welding belt, the disposable hose cover and the heavy duty hose must not be used in potentially explosive atmospheres.

The standard long hood may only be used in potentially explosive dust atmospheres IIIB.

* For exceptions, see technical data sheet

** Dependent on the set air flow and the breathing connection and filter type used.



Dräger X-plore® 8000 Hoods Headpieces for PAPR and Airline Systems

Experience a new dimension of comfort and safety in respiratory protection: the Dräger X-plore® Twinfilter series. It sets the benchmark in comfort and use. The utilization of modern materials, coupled with an attractive design, guarantees maximum comfort and user acceptance.

Air Purifying Respirators

Dräger X-plore® 8000 Hoods

Standard hoods

Dräger X-plore® 8000 Standard hood, short (S/M)	R59800
Dräger X-plore® 8000 Standard hood, short (L/XL)	R59810
Dräger X-plore® 8000 Standard hood, long (S/M)	R59820
Dräger X-plore® 8000 Standard hood, long (L/XL)	R59830

Premium hoods

Dräger X-plore® 8000 Premium hood, short (S/M)	R59840
Dräger X-plore® 8000 Premium hood, short (L/XL)	R59850
Dräger X-plore® 8000 Premium hood, long (S/M)	R59860
Dräger X-plore® 8000 Premium hood, long (L/XL)	R59870

Accessories

Sweat band for Dräger X-plore® 8000 Standard hood	R59826
Sweat band for Dräger X-plore® 8000 Premium hood	R59862
Protective lens covers for Dräger X-plore® 8000 Hoods	R59863

Dräger X-plore® 8000 Powered air purifying respirator

Dräger X-plore® 8500	R59500
Dräger X-plore® 8700 (EX)	R59550

Dräger X-plore® 9000 Airline unit

X-plore® 9300 with Hansen brass connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01264
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Dräger X-plore® 8000 Breathing hoses

Dräger X-plore® 8000 Standard hose	R59620
Dräger X-plore® 8000 Flexible hose	R59600

Air Purifying Respirators

Technical Data

Approval - Respiratory protection	EN 12941 – Class TH3 (in combination with Dräger X-plore® 8300, X-plore® 8500 and X-plore® 8700*)
	EN 14594 – Class 3B (in combination with Dräger X-plore® 9300)
	NIOSH 42 CFR 84 (in combination with X-plore® 8300**, X-plore® 8500 and X-plore® 8700*)
	AS/ NZS 1716 (in combination with Dräger X-plore® 8300, X-plore® 8500 and X-plore® 8700*)
	SANS 10338 (in combination with Dräger X-plore® 8500)
Approval – Eye protection	EN 166 – 1 F 3
Hood material	Standard hoods: PP/PE Premium hoods: PA, PU coated
Visor material	PC
Sizes	S/M 52 cm to 59 cm (20.5 to 23.2 in) L/XL 57 cm to 64 cm (22.4 to 25.2 in)
Weight	Short hoods, standard: approximately 145 g (5 oz) Short hoods, premium: approximately 200 g (7 oz) Long hoods, standard: approximately 205 g (7.2 oz) Long hoods, premium: approximately 390 g (13.7 oz)
Temperature range (operation)	-10 °C to +60 °C (+14 °F to +140 °F)
Head harness	Adjustable strap around the head, removable sweatband for the forehead included
Hose connection	Hose connection is located at the rear of all available bonnets
Air outlet	Permeable material in the chin area

* Standard long hoods must not be used in potentially explosive atmospheres.

** approval pending



Dräger X-plore® Face Shield Head Pieces for PAPR and Airline Systems

Experience a new dimension of comfort and safety in respiratory protection: the Dräger X-plore® Twinfilter series. It sets the benchmark in comfort and use. The utilization of modern materials, coupled with an attractive design, guarantees maximum comfort and user acceptance.

Air Purifying Respirators

Dräger X-plore® 8000 Face shield		Order No.
Dräger X-plore® 8000 Face shield		3710810
Accessories		
Dräger X-plore® 8000 Protective foil for face shield		3710806
Spare parts		
Dräger X-plore® 8000 Face seal for face shield		3710807
Dräger X-plore® 8000 PC visor for face shield		3710808
Dräger X-plore® 8000 Sweat pad for face shield		3710809
Dräger X-plore® 8000 Padding for face shield		3710811
Dräger X-plore® 8000 Visor frame for face shield		3710812
Dräger X-plore® 8000 Head harness for face shield		3710813
Dräger X-plore® 8000 Powered air-purifying respirators		
Dräger X-plore® 8300 Universal Edition		3732600
Dräger X-plore® 8500		R59500
Dräger X-plore® 8700 (EX)		R59550
Dräger X-plore® 9000 Airline unit		
X-plore® 9300 with Hansen brass connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)		VN01264
Dräger X-plore® 8000 Breathing hoses		
Dräger X-plore® 8000 Standard hose		R59620
Dräger X-plore® 8000 Flexible hose		R59600
Dräger X-plore® 8000 Heavy duty hose		3717390

Air Purifying Respirators

Technical Data

Approvals	Respiratory protection: NIOSH 42 CFR Part 84
	Eye protection: ANSI/ISEA Z87.1
	Head protection (bump cap): EN 812
Head shell	(PE)
Head band	Polyamide (PA), Polystyrol (PS)
Sweatband, pad	(PE), foamed
Visor frame	(PC)
Visor	(PC)
Protective film	Polyethylenterephthalat (PET)
Face shield closure	Polyamide (PA), Polystyrol (PS)
Mounting clips, fastening buttons	(POM)
Suitable for head circumference	51 to 64 cm (20 to 25 in)
Dimensions	320 x 222 x 305 mm (12.5 x 8.7 x 12 in)
Weight	650 g (22.9 oz)
Operating temperature	-10 °C to +55 °C (+14 F° to +131 F°)
Storage temperature	-30 °C to +50 °C (-22 F° to +122 F°)
Relative humidity	< 90 %



Dräger X-plore® 8000 Helmets Head Pieces for PAPR and Airline Systems

Dräger X-plore® 8000 helmets provide effective mechanical head protection combined with maximum comfort. Regardless of whether you are dependent on ambient air or working independently, the helmets are an integral part of our Dräger X-plore® 8000 powered air purifying respirator systems and Dräger X-plore® 9300 compressed air line device.

Air Purifying Respirators

Dräger X-plore® 8000 Helmets	Order No.
Dräger X-plore® 8000 Helmet PC visor L1Z	3710775
Dräger X-plore® 8000 Helmet PC visor L2Z	3710780
Dräger X-plore® 8000 Helmet PC visor L3Z	3710785
Dräger X-plore® 8000 Helmet PC visor L2T2	3710790
Dräger X-plore® 8000 Helmet PC visor L3T4	3710795
Dräger X-plore® 8000 Helmet PC visor HLI	3729120
Dräger X-plore® 8000 Helmet PC visor HLI	
Dräger X-plore® 8000 Protective foil	3710806
Accessories for Dräger X-plore® 8000 Helmet PC visor L1Z – L3T4	
Dräger X-plore® 8000 Helmet seal L1Z	3710781
Dräger X-plore® 8000 Helmet seal L2Z	3710782
Dräger X-plore® 8000 Helmet seal L3Z	3710783
Dräger X-plore® 8000 Helmet seal L2T2	3710784
Dräger X-plore® 8000 Helmet seal L3T4	3710786
Dräger X-plore® 8000 PC visor for helmet	3710787
Dräger X-plore® 8000 Rigid foam shell	3710788
Dräger X-plore® 8000 Sweat pad for helmets	3710789
Dräger X-plore® 8000 Comfort padding	3710791
Dräger X-plore® 8000 Visor frame for helmet	3710793
Dräger X-plore® 8000 Sealing for helmet with visor	3710794
Dräger X-plore® 8000 Head harness for helmets	3710796
Dräger X-plore® 8000 Assembly clips for hearing protectors	3710797
Dräger X-plore® 8000 Earmuffs	3710777
Dräger X-plore® 8000 Protective foil	3710779

Air Purifying Respirators

Dräger X-plore® 8000 Powered air-purifying respirators

Dräger X-plore® 8000 PC visor for face shield and helmet PC visor HL1	3710808
Dräger X-plore® 8000 Sweat pad for face shield and helmet PC visor HL1	3710809
Dräger X-plore® 8000 Comfort padding for face shield and helmet PC visor HL1	3710811
Dräger X-plore® 8000 Visor frame for face shield and helmet PC visor HL1	3710812
Dräger X-plore® 8000 support ring for helmet HL1	3729121
Dräger X-plore® 8000 Head harness for helmet PC visor HL1	3729122
Dräger X-plore® 8000 Chin strap for helmet PC visor HL1	3729123
Dräger X-plore® 8000 Helmet seal for helmet PC visor HL1	3729124
Dräger X-plore® 8000 Protective foil	3710806

Dräger X-plore® 8000 Powered air purifying respirators

Dräger X-plore® 8500	R59500
Dräger X-plore® 8700 (EX)	R59550

Dräger X-plore® 9000 Airline unit

X-plore® 9300 with Hansen brass connector includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01264
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Dräger X-plore® 8000 Breathing hoses

Dräger X-plore® 8000 Standard hose	R59620
Dräger X-plore® 8000 Flexible hose	R59600

Tychem® is a registered trademark of E.I. Du Pont de Nemours and Co.
Zytec® is a registered trademark of RPB Safety, LLC.

Air Purifying Respirators

Model	Dräger X-plore® 8000 helmet PC visor L1Z / L2Z / L3Z	Dräger X-plore® 8000 helmet PC visor L2T2 / L3T4	Dräger X-plore® 8000 helmet PC visor HL1
Length – Helmet seal	Short (L1Z), medium (L2Z), long (L3Z)	medium (L2T2), long (L2T4)	short (HL1)
Material – Helmet seal	Zytec® FR	Tychem® 2000 / Tychem® 4000	Cotton / PA-coated
Material – Visor	PC	PC	PC
Material – Helmet	PA	PA	PC
Material – Visor frame	ABS	ABS	PC
Material – Comfort padding	Foam material (EVA) with Lycra	Foam material (EVA) with Lycra	Foam material, foamed PE
Material – Rigid foam shell	PS	PS	n/a
Visor size	260 x 170 mm (10.2 x 6.6 in)	260 x 170 mm (10.2 x 6.6 in)	210 x 192 mm (8.3 x 7.6 in)
Temperature range (operation)	-5 °C to +50 °C (+23 °F to +122 °F)	-5 °C to +50 °C (+23 °F to +122 °F)	-10 °C to +50 °C (+14 °F to +122 °F)
Head harness	Ratchet, adjustable 52 – 60.6 cm (20.5 - 23.9 in)	Ratchet, adjustable 52 – 60.6 cm (20.5 - 23.9 in)	Ratchet, adjustable 51– 64 cm (21.1 - 25.2 in)
Air inlet	Hose connector at the back	Hose connector at the back	Hose connector at the back
Air distribution	Overhead duct, adjustable vent	Overhead duct, adjustable vent	Overhead duct, adjustable vent
Air outlet	Permeable, width-adjustable textil	Permeable, width-adjustable textil	Adjustable air outlet
Colour	Grey (Helmet seal: grey)	Grey (Helmet seal: white)	Helmet shell: black Visor frame: grey
Weight	L1Z: 942 g (2 lbs) L2Z: 1012 g (2.2 lbs) L3Z: 1152 g (2.5 lbs)	L2T2: 962 g (2.1 lbs) L3T4: 997 g (2.1 lbs)	890 g (1.9 lbs)
Max. storage	5 years	5 years	5 years
Max. usage	3 years	3 years	2 years
Approval – Respiratory protection	NIOSH 42 CFR Part 84 With X-plore® 8500/8700: EN 12941 - class TH3 (L2Z; L3Z) and TH1 (L1Z)	NIOSH 42 CFR Part 84 With X-plore® 8500/8700: EN 12941 – class TH3	NIOSH 42 CFR 84 With X-plore® 8500/8700: EN 12941 – class TH3
	With X-plore® 9300: EN 14594 – class 3B (L1Z; L3Z); 4A (L2Z)	With X-plore® 9300: EN 14594 – class 4A	With X-plore® 9300: EN 14594:2018 4A/3B
Approval – Head protection	EN 397 (-30 °C LD MM 440V a.c.)	EN 397 (-30 °C LD MM 440V a.c.)	EN 397:2012+A1:2012
	ANSI Z89.1 (type 1 class G)	ANSI Z89.1 (type 1 class G)	ANSI Z89.1 (type 1 class G)
Approval – Eye protection	1 BT 9 3 – EN 166 ANSI Z87+	1 BT 9 3 – EN 166 ANSI Z87+	EN 166:2001 1 BT 3 9 ANSI Z87+

Air Purifying Respirators

Earmuffs*

Damping value**	SNR: 33 dB H: 37 dB M:30 dB L: 23 dB
Material – Capsule (outer)	ABS
Material – Padding	Foam material (EVA)
Material – Mounting hook	Metal
Weight	220 g (7.8 oz)
Size	Universal size
Approval	EN 352-3, ANSI S3.19

* for mounting on the helmet

** SNR = Single Number Rating (the average damping of a hearing protector and thus the average protective effect against noise)

H = Damping value high frequencies

M = Damping value medium frequencies

L = Damping value low frequencies



Dräger X-plore® 8000 Head Pieces with Hood

Head Pieces for PAPR and Airline Systems

The Dräger X-plore® 8000 helmet/bump cap and hood combination provides reliable protection in heavily polluted or contaminated environments. The combination of head protection and hood is an integral part of our Dräger X-plore® 8000 powered air-purifying respirator systems and our Dräger X-plore® 9300 compressed air line device.

Air Purifying Respirators

Dräger X-plore® Head protection

Dräger X-plore® 8000 Helmet for hood	3710800
Dräger X-plore® 8000 Bump cap for hood	3710805

Accessories

Dräger X-plore® 8000 Hood for helmet, T4	3710774
Dräger X-plore® 8000 Hood for helmet, T2	3710776
Dräger X-plore® 8000 Earmuffs	3710777
Protective cover Dräger X-plore® 8000 Hood for helmet	3710778

Spare parts

Dräger X-plore® 8000 Rigid foam shell	3710788
Dräger X-plore® 8000 Sweat pad for helmets	3710789
Dräger X-plore® 8000 Comfort padding	3710791
Dräger X-plore® 8000 Assembly clips hood for helmet	3710792
Dräger X-plore® 8000 Visor frame for the helmet	3710793
Dräger X-plore® 8000 Head harness for helmets	3710796
Dräger X-plore® 8000 Assembly clips for earmuffs	3710797

Dräger X-plore® 8000 Powered air purifying respirators

Dräger X-plore® 8500	R59500
Dräger X-plore® 8700 (EX)	R59550

Dräger X-plore® 9000 Airline unit

X-plore® 9300 with Hansen brass connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01264
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Dräger X-plore® 8000 Breathing hoses

Dräger X-plore® 8000 Standard hose	R59620
Dräger X-plore® 8000 Flexible hose	R59600

Tychem® is a registered trademark of E.I. Du Pont de Nemours and Co.
Zytec® is a registered trademark of RPB Safety, LLC.

Air Purifying Respirators

Dräger X-plore® 8000 helmet/bump cap and hood combination

	Helmet and hood combination	Bump cap and hood combination
Helmet seal length	Long	Long
Helmet seal/hood material	Tychem® 2000 / Tychem® 4000	Tychem® 2000 / Tychem® 4000
Visor material	PETG	PETG
Visor frame material	PA	PA
Comfort padding material	ABS	ABS
Waistbelt leather	Foam material (EVA) with Lycra	Foam material (EVA) with Lycra
Hard foam shell material	PS	PS
Visor size	30 x 23 cm (11.8 x 9 in)	30 x 23 cm (11.8 x 9 in)
Temperature range (operation)	-5 °C to +50 °C (+23 F to +122 F)	-5 °C to +50 °C (+23 F to +122 F)
Headgear strap	Ratchet, adjustable 52 - 60.6 cm (20.5 - 23.9 in)	Ratchet, adjustable 52 - 60.6 cm (20.5 - 23.9 in)
Air inlet	Hose connector at the back	Hose connector at the back
Air distribution	Overhead duct, adjustable vent	Overhead duct, adjustable vent
Air outlet	Permeable, width-adjustable textile cuff in the chin/forehead area	Permeable, width-adjustable textile cuff in the chin/forehead area
Color	Grey (hood: white)	Grey (hood: white)
Weight	With hood T2: 810 g (1.8 lb) With hood T4: 900 g (2 lb)	With hood T2: 695 g (1.5 lb) With hood T4: 785 g (1.7 lb)
Max. storage life	5 years	5 years
Max. period of use	3 years	3 years
Respiratory protection approval	NIOSH 42 CFR Part 84	NIOSH 42 CFR Part 84
	With X-plore® 8500/8700: EN 12941 – class TH3	With X-plore® 8500/8700: EN 12941 – class TH3
	With X-plore® 9300: EN 14594 – class 4A	With X-plore® 9300: EN 14594 – class 4A
Protective headgear approval	EN 397 (-30 °C LD)	EN 812
	ANSI Z89.1 (type I class G)	
Eye protection approval	2 F 3 – EN 166	2 F 3 – EN 166

Hearing protectors*

Insulation value**	SNR: 33 dB H: 37 dB M: 30 dB L: 23 dB
Outer capsule material	ABS
Padding material	Foam material (EVA)
Mounting hook material	Metal
Weight	220 g (7.8 oz)
Size	Universal size
Approval	EN 352-3, ANSI S3.19

* for mounting on the helmet

** SNR = Single Number Rating (the average damping of a hearing protector and thus the average protective effect against noise)
H = Damping value high frequencies M = Damping value medium frequencies L = Damping value low frequencies



Dräger X-plore® 8000 Welding Visors Head Pieces for PAPR and Airline Systems

Regardless of whether you are dependent on ambient air or working independently, the welding visors are an integral part of our X-plore® 8000 powered air-purifying respirator system and X-plore® 9300 compressed air line device.

Air Purifying Respirators

Head pieces	Order No.
X-plore® 8000 Welding Visor Standard	3728190
X-plore® 8000 Welding Visor Premium	3728195
Spare parts	
Face seal standard	3728191
Face seal premium	3728197
Headgear standard	3728178
Headgear premium	3728198
Visor shell standard	3728182
Visor shell with air duct premium	3728200
Rubber frame standard	3728183
Outside cover lens standard	3728184
Outside cover lens premium	3728189
Inside cover lens standard	3728186
Inside cover lens premium	3728192
Lens holder standard	3728187
Grind lens holder premium	3728193
Set sweatband & soft pad standard	3728179
Set sweatband & soft pad premium	3728199
Grind lens anti-fog premium	3728194
Side lens cover premium	3728196
Set ADF & outer + inner cover lens standard	3728181
Set ADF & outer + inner cover lens premium	3728201
Front lens holder premium	3728188
Dräger X-plore® 8000 Blower Unit	
Dräger X-plore® 8500	R59500
Dräger X-plore® 9000 Airline unit	
X-plore® 9300 with Hansen brass connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01264

Air Purifying Respirators

Dräger X-plore® 8000 Breathing hoses

Dräger X-plore® 8000 Standard hose*	R59620
Dräger X-plore® 8000 Flexible hose*	R59600
Dräger X-plore® 8000 Hose cover	R59660

* Combination with the X-plore® 8000 hose cover is mandatory when used with the welding visors.

Dräger X-plore® 8000 Carrying system

Dräger X-plore® 8000 Welding belt	R59720
Dräger X-plore® 9300 Leather hip belt size M	3363461
Dräger X-plore® 9300 Leather hip belt size L	3363462

Air Purifying Respirators

Dräger X-plore® Welding Visors

Models	X-plore® 8000 Welding Visor Standard	X-plore® 8000 Welding Visor Premium
	NIOSH 42 CFR Part 84	NIOSH 42 CFR Part 84
Respiratory protection approval	EN 12941 – TH3 in combination with Dräger X-plore® 8500 EN 14594:2018 4A/3B in combination with Dräger X-plore® 9300	EN 12941 – TH3 in combination with Dräger X-plore® 8500 EN 14594:2018 4A/3B in combination with Dräger X-plore® 9300
	EN 175:1997 ANSI/ISEA Z87.1	EN 175:1997 ANSI/ISEA Z87.1
Eye protection approval	Outer front screen: EN 166:2001 ANSI/ISEA Z87.1	Outer front screen: EN 166:2001 ANSI/ISEA Z87.1
	ADF module: EN 379:2003+A1:2009 ANSI/ISEA Z87.1 CSA Z94.3 AS/NZS 1338.1	ADF module: EN 379:2003+A1:2009 ANSI/ISEA Z87.1 CSA Z94.3 AS/NZS 1338.1

Material

Visor material	PA	PA
Face cuff	Flame-resistant cotton	Flame-resistant cotton
Sweatband/padding	Polyester	Polyester
ADF	Laminated glass	Laminated glass
Head harness	PA	PA
Air distribution	HD PE	HD PE
Protective screen (outer/inner)	PC	PC

Dimensions

ADF	133 x 114 x 9 mm (5.2 x 4.5 x 0.35 in)	156 x 123 x 33 mm (6.1 x 4.8 x 1.3 in)
ADF field of vision	95 x 85 mm (3.7 x 3.3 in)	107 x 75 mm (4.2 x 2.9 in)
Outer front screen	133 x 114 mm (5.2 x 4.5 in)	108 x 160 mm (4.2 x 6.3 in)
Inner front screen	94 x 90 mm (3.7 x 3.5 in)	80 x 107 mm (3.1 x 4.2 in)
Head circumference of the support ring	52 cm to 64 cm (20.5 x 25.1 in)	51 cm to 62 cm (20.1 x 24.4 in)

Air Purifying Respirators

Shade states		
Grind mode switch	Outer button (shade state 4)	Flip-up automatic weld protection screen
Shade state (inner)	5-8 / 9-13	4 / 5-8 / 9-13
ADF setting range delay	0.1-1.0 s	0.1-1.0 s
ADF shading time	0.04 ms	0.04 ms
Switch time (light-dark)	1/25,000 s	1/25,000 s
Total weight	650 g (22.9 oz)	950 g (33.5 oz)
ADF module weight	175 g (6.2 oz)	190 g (6.7 oz)
Colour	black	black
Batteries	1 x CR2450	2 x CR2450
Air inflow	Rear	Side rear
Air distribution	Overhead air duct	In front of mouth area
Air outflow	diffused	diffused
Operating temperature	10 °C to +55 °C (14 °F to 131 °F)	10 °C to +55 °C (14 °F to 131 °F)
Storage temperature	-20 °C to +70 °C (-4 °F to 158 °F)	-20 °C to +70 °C (-4 °F to 158 °F)

Self Contained Breathing Apparatus

NFPA-Certified SCBA

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Self Contained Breathing Apparatus



Breathe easy – independent of the air around you.

Combining comfort with exceptional performance, it is designed for applications where simplicity and ease of use are essential. Lightweight yet robust, and easy to wear, this advanced breathing apparatus provides the ultimate breathing protection.

These products supply the wearer with breathable air from a compressed air vessel or through a pneumatic system connected with hoses. When selecting SCBAs, it's important to consider that you need as much protection as necessary with as little weight as possible – so you can get the job done without hindrance.

Self Contained Breathing Apparatus



Dräger Secor 7000 Diving Equipment

The Dräger Secor 7000 regulator, consisting of first and second stage, has been developed for diving in a professional environment. To ensure comfortable diving, the hose connection to the second stage is possible from the left and right side. Secor 7000 is perfectly matched to the full face mask Panorama Nova Dive. The pneumatic system can be individually configured by means of different outlets on the first stage.

Self Contained Breathing Apparatus

Dräger Secor 7000	Order No.
Dräger Secor 7000 Configurator	T54400

Dräger Secor 7000	
Water temperature	2 °C to 40 °C (35.6 °F to 104 °F)
Pressure Gauge, 1st Stage, DIN	
Inlet	Max. 300 bar / 4,351 PSI, Handwheel connection according to DIN EN 144 G 5/8
High pressure outlet	3 ports, 7/16-20 UNF, O-ring seal
Medium pressure outlet	5 ports, 3/8-24 UNF, O-ring seal, 8.8 to 9.8 bar / 127 to 142 PSI
Principle	Diaphragm-operated, supply-pressure-compensated
Material	Chrome-plated brass
Weight	785 g (1.73 lb)
Pressure Reducer, 1st Stage, INT	
As before, except:	
Inlet	Max. 232 bar/3,364 PSI, with INT yoke adapter CGA 850
Weight	960 g (2.11 lb)
Lung demand valve, 2nd stage, mouthpiece	
Principle	Downstream, balanced
Material mouthpiece, diaphragm, and exhalation valve	Silicone
Connection	3/8-24 UNF
Medium pressure hose	Various lengths for varying applications
Weight	230 g (0.51 lb)
Lung demand valve, 2nd stage, full-face mask	
Principle	Downstream, balanced
Material mouthpiece, diaphragm, and exhalation valve	Silicone
Connection	3/8-24 UNF
Medium pressure hose	Various lengths for varying applications
Weight	230 g (0.51 lb)



Dräger Panorama Nova Dive Diving Full-Face Mask

The Panorama Nova Dive is a full-face mask that offers various connection possibilities for regulators, underwater communication, and a low pressure warning. It allows the professional user to dive comfortably under difficult conditions.

Self Contained Breathing Apparatus

Panorama Nova Dive	Order No.
Panorama Nova Dive Sport (Without Mask Box)	T53700
Panorama Nova Dive	T53510
Panorama Nova Dive R	T52730
Panorama Nova Dive NM	T16000
T-Bit for LARV/5000/7000 Series	T16010
T-Bit for LAR 8000	3719156
T-Bit for LAR 8000 Back Carry	3719157
T-Bit for FGT 5400	T16330
Klar-Pilot Gel, 50 ml	R52560

Technical data

Weight

Panorama Nova Dive / Sport / NM / R	940 g / 2 lb 1 oz
Operating Temperature	-20 to 50 °C / -4 to 122 °F
Storage Temperature	-30 to 70 °C / -22 to 158 °F

Exhalation Valve Opening Pressure

Panorama ®Nova Dive	3.2 to 6.0 mbar
Panorama Nova Dive NM/R	25 to >25 mbar



Dräger FPS®-COM 5000 NFPA-Certified Tactical Communications

In an emergency, there is no time for misunderstanding. That's why Dräger developed the FPS®-COM 5000 communication unit for NFPA-certified SCBAs. Designed to connect seamlessly to the Dräger FPS® 7000 full-face masks, this proven communication unit ensures clear communication through either a tactical voice amplifier or a radio – even in extreme conditions.

Self Contained Breathing Apparatus

Dräger FPS® COM 5000 2018 Edition (for FPS® 7000 P18)

Dräger FPS® COM 5000 P18 Voice Amp only	R63301
Dräger FPS® COM 5000 P18 Universal connection & cable	R63302
Dräger FPS® COM 5000 P18 Waris connection & cable	R63303
Dräger FPS® COM 5000 P18 Jedi connection & cable	R63304
Dräger FPS® COM 5000 P18 Gcai connection & cable	R63305
Dräger FPS® COM 5000 P18 Kenwood connection & cable	R63306
Dräger FPS® COM 5000 P18 Bluetooth Motorola APX	R63307

Approvals

IECEX	EX ia I Ma EX ia IIC T4 Ga EX ia IIC T130°C/T95°C Da T4 (Ta = -30°C to +60°C)
USA, Canada UL913	Class I, II, III, Div. 1 Group A-G, T-code T4 T4 (Ta = -30°C to +60°C) NFPA 1981, 2018 Edition

Dräger FPS®-COM 5000

Protection class	IP67
Batteries	2 x AAA
Operating time	Approx. 32 hours (dependent upon talk activity)
Ambient conditions during storage	-15°C/5°F to +25°C/77°F, 10.2 to 18.9 PSI, 10 to 95% relative humidity



Dräger FPS®-COM 7000 Communication unit



The Dräger FPS®-COM 7000 provides hands-free communication for all wearers of respiratory protection devices during a mission. Excellent voice quality is achieved by removing interfering noises.

Self Contained Breathing Apparatus

Dräger FPS®-COM 7000 2018 Edition (for FPS®-7000 P18)		Order No.
Dräger FPS®-COM 7000 P18 Voice Amp only		R61343
Dräger FPS®-COM 7000 P18 Universal/Nexus Cable		R61344
Dräger FPS®-COM 7000 P18 Bluetooth Motorola APX		R61348
Configuration Cable and C7 Configuration Software		R61320

Technical Data	
	NFPA 1970:1981 2025 Edition
	ATEX: Ex II 1 G, Ex ia IIC T4/ T3 Ga (Ta = -30 °C ... +50 °C)
Approvals	IECEx: Ex ia IIC T4/ T3 Ga (Ta = -30 °C ... +50 °C)
	CAN/CSA: Class I, Div. I, Groups A-D T3/T4
	CE 2004/108/EC, 1999/5/EC, 94/9/EG
Protection class	IP67
Weight	depending on variant 340 to 400 g (without battery)
Wireless frequencies	902 – 928 Mhz
	(Country specific, dependant on frequency allocation plan)
Transmission power	10 mW
Radio coverage	approx. 100 m free field, approx. 30 m in indoor
Number of talk Groups	configurable, max. 10 in one device
Communication type	voice-activated, duplex
Batteries	2 x AA batteries
Operating Time	approx. 8 hrs (Dependent on talk activity)
Ambient conditions during storage	-15 °C to +25 °C, 700 to 1,300 hPa, 10 to 95 % rel. humidity



Dräger BG ProAir Closed Circuit Breathing Apparatus

Specially designed for longer durations: The Dräger BG ProAir is a positive pressure closed circuit breathing apparatus that combines uncompromising safety with the highest level of breathing and carrying comfort. Easier to carry, easier to breathe– giving you more time to get the job done and return safely.

Self Contained Breathing Apparatus

Dräger BG ProAir	Components	Order no.
Dräger BG ProAir, CGA-C-ICE-CH	CGA cylinder thread Constant dosage Ice cooling system Comfort harness	R360530
Dräger BG ProAir CGA-C-PCM-CH	CGA cylinder thread Constant dosage Regenerative cooling material Comfort harness	R360531
Dräger BG ProAir CGA-LDV-ICE-CH	CGA cylinder thread Lung demand dosage Ice cooling system Comfort harness	R360532
Dräger BG ProAir CGA-LDV-PCM-CH	CGA cylinder thread Lung demand dosage Regenerative cooling material Comfort harness	R360518
Dräger BG ProAir W21.8-C-ICE-CH-CA	W21.8 cylinder thread Constant dosage Ice cooling system Comfort harness	R360519
Dräger BG ProAir W21.8-C-PCM-CH-CA	W21.8 cylinder thread Constant dosage Regenerative cooling material Comfort harness	R360520
Dräger BG ProAir W21.8-LDV-ICE-CH-CA	W21.8 cylinder thread Lung demand dosage Ice cooling system Comfort harness	R360520
Dräger BG ProAir W21.8-LDV-PCM-CH-CA	W21.8 cylinder thread Lung demand dosage Regenerative cooling material Comfort harness	R360521

System components	Order no.
BG ProAir Cylinder/Valve Assy, W21.8	Full face mask with central connection for closed circuit breathing apparatus Mask body, inner mask and head harness made of EPDM With anti-scratch coated polycarbonate visor and wiper Optional integrated CamelBak drinking system R56326 (further variants and sizes on request)
Dust Filter	Soda lime used for the adsorption of CO ₂ in closed-circuit breathing systems 6737985
BG ProAir Pelican Case	Pre-filled canister of soda lime to eliminate the manual filling of soda lime 3702050
CCBA Oxygen Cylinder Case	Oxygen cylinder for USA R360395

Self Contained Breathing Apparatus

System components		Order no.
BG ProAir Cylinder/Valve Assy, W21.8	Oxygen cylinder for Canada	R360557
Dust Filter	Filter for DraegerSorb 400 to keep dust out of the breathing loop	R360356
BG ProAir Pelican Case	Transport and storage case	3722275
CCBA Oxygen Cylinder Case	Transport and storage case for up to 6 BG 4 and ProAir cylinders	3718247

Duration of use	240 minutes (at a work rate of 30 l/min)
Weight, ready for use (with mask, full oxygen cylinder and CO ₂ absorber)	15.2 kg 33 lbs 8 oz
Size H x W x D	590 x 400 x 175 mm 23.3 x 15.7 x 6.9 inches
Operating temperatures (when stored at room temperature)	-40 °C to +90 °C -40 °F to +194 °F
Oxygen delivery:	
Constant dosage rate	1.5 l/min
Minimum valve rate	> 80 l/min
Bypass valve rate	> 80 l/min

Approvals	
EN 145	Ex protection according to EN 50020
IEC Ex ITS	Ex ia IIC T4 Ga, Ex ia I Ma (-30 °C < Ta < +50/60 °C / -22 °F < Ta < 122/140 °F)
ATEX	II 1 G Ex ia IIC T4 Ga, I M1 Ex ia I Ma (-30 °C < Ta < +50/60 °C / -22 °F < Ta < 122/140 °F)
NIOS Dräger ProAir-pi-DMC-113139-en-us.pdf H 42 CFR Part 84	
MSHA	



Dräger PSS® AirBoss NFPA-Certified SCBA

The Dräger PSS AirBoss with Sentinel offers best-in-class ergonomics and is one of the lightest weight breathing apparatus. Insights from firefighters, combined with the latest technological innovations, have led us to design an even safer, cleaner SCBA system that helps you to breathe more easily and for longer.

Self Contained Breathing Apparatus

Dräger PSS® AirBoss Sentinel	Order No.
PSS® AirBoss Sentinel HP QC MAP (LHS)	3742782
PSS® AirBoss Sentinel HP QC WW (RHS)	3742783
PSS® AirBoss Sentinel HP QC WW (LHS)	3742705
PSS® AirBoss Sentinel HP QC WW UEBSS (LHS)	3742706
PSS® AirBoss Configurator	3739476

Other Dräger PSS® AirBoss Configurations are available upon request, eg. SRS (Self Rescue System), UEBSS, Pouches, etc.

LHS - Left Hand Shoulder
 RHS - Right Hand Shoulder
 MAP - Multi Attachment Point (waist belt)
 WW - Webbing Waist belt

Accessories	
PSS® Air LDV (RHS)	3731286
PSS® Air LDV (LHS)	3720629
FPS® 7000 PX-EPDM-SI-APECas-H (US)	3730014
FPS® 7000 PX-EPDM-M2-APECas-H (US)	R63091
FPS® 7000 PX-EPDM-L3-APECas-H (US)	R63092
FPS® HUD AirBoss	3715709
UEBSS Pouch	3367467
PSS® AirBoss UEBSS	3731158
PSS® AirBoss 5-Way Desktop Charger	3723650
PSS® AirBoss Clip Charger (Requires 3354574)	3711536
Vehicle Socket Charge Cable	3354574
PSS® AirBoss Rechargeable Battery Pack	3708123
Communication Units	on request
Cylinders	on request

Self Contained Breathing Apparatus

Dräger PSS® AirBoss Sentinel	Order No.
Weight of complete PSS® AirBoss with LDV and batteries	13.9 lbs (6.3 kg)
Input pressure (psi)	Low Pressure 2216 psi High Pressure 4500 psi
Normal 1 st stage output pressure	108 psi to 130 psi
1 st stage output flow (l/min)	> 1,000
2 nd stage (LDV) output flow (l/min)	> 500
Pneumatic warning whistle activation pressure	Low-pressure (nominal) 710 to 798 psi High-pressure (nominal) 1305 to 1485 psi
Pneumatic whistle sound level (dBA)	> 90 dBA
PASS main alarm	> 90 dBA
Battery	5 x AA Alkaline Battery Pack (Primary) 1 x AA Lithium Battery (Backup) Optional NiMh Rechargeable Battery Pack (Primary)
Approvals	
SCBA	NFPA 1970 (1981 & 1982), 2025 Edition NIOSH Part 84 CBRN

Industrial Respiratory

NIOSH SCBA

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Supplied Air Respirators

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Emergency Escape Breathing Apparatus

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Oxygen Self Rescuer

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Dräger PAS Lite Self-Contained Breathing Apparatus

For use in industrial applications where a simple, robust, and easy-to-use breathing apparatus is required, the Dräger PAS Lite Self-Contained Breathing Apparatus (SCBA) combines reliability with comfort and performance.

Industrial Respiratory

SCBA variants

PAS Lite with integrated Lung Demand Valve (LDV); Facemask and cylinder sold separately

PAS Lite – 2216 PSI	4046190
PAS Lite – 4500 PSI	4046191

PAS Lite with integrated Lung Demand Valve (LDV), Panorama Nova Facemask and 30-minute aluminum cylinder

PAS Lite Kit – 2216 PSI without SCBA case	4046192
PAS Lite Kit – 2216 PSI with SCBA case	4046193

PAS Lite with integrated Lung Demand Valve (LDV), integrated Charge-Air connection, 60-minute 4500 PSI cylinder, FPS® 7000 Facemask, and mask storage bag

PAS Lite Charge-Air – 4500 PSI	4046199
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PAS Lite with integrated Lung Demand Valve (LDV) and integrated Airline complete with an automatic switchover valve (ASV); Facemask and cylinder sold separately

PAS Lite Airline – 2216 PSI	4046194
PAS Lite Airline – 4500 PSI	4046197

Accessories

FPS® 7000 Facemask (NIOSH)	R56200
Panorama Nova Facemask	R52972
PAS ASV Upgrade Kit for PAS Lite and PSS® 3000	3358850
Cylinders	On request
LDV Holder	3357527
Breathing Apparatus Hard-shell Carrying Case	4059430
Breathing Apparatus Storage Cabinet (polycarbonate)	3310260

Dräger PAS Lite

Dimensions (H x W x D)	23.2 x 11.4 x 6.3 inches (59 x 29 x 16 cm)
Weight (including LDV)	5.95 lb. (2.70 kg)
Weight with Integrated PAS ASV (including LDV)	7.72 lb. (3.50 kg)
Input Pressure	2216 PSI, 4500 PSI
Nominal 1st Stage Output Pressure	87-130 PSI
1st Stage Output Flow	>1000 L/min
LDV Output Flow	>400 L/min
Whistle Activation Pressure	554 PSI, 1125 PSI
Whistle Sound Level	>90 dBA
Approvals	NIOSH



Dräger PSS® 3000 Self-Contained Breathing Apparatus



The Dräger PSS® 3000 is a new generation of high-performing breathing apparatus for industrial applications. Combining comfort with exceptional performance, it is designed for applications where simplicity and ease-of use are essential. Lightweight yet robust, and easy to wear, this advanced breathing apparatus provides the ultimate breathing protection.

Industrial Respiratory

SCBA variants

PSS® 3000 Base SCBA; Lung Demand Valve (LDV), Facemask and cylinder sold separately

PSS® 3000 – 2216 PSI	4046195
PSS® 3000 – 4500 PSI	4046196

PSS® 3000 with integrated Charge-Air connection, Lung Demand Valve (LDV), 60-minute 4500 PSI cylinder, FPS® 7000 Facemask, and mask storage bag

PSS® 3000 Charge-Air – 4500 PSI	4046214
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PSS® 3000 with integrated Airline complete with an automatic switchover valve (ASV); Lung Demand Valve (LDV), Facemask and cylinder sold separately

PSS® 3000 Airline – 2216 PSI	4046200
PSS® 3000 Airline – 4500 PSI	4046202

Accessories

FPS® 7000 Facemask (NIOSH)	R56200
Panorama Nova Facemask	R52972
PAS ASV Upgrade Kit for PAS Lite and PSS® 3000	3358850
Cylinders	On request
LDV Holder	3357527
Breathing Apparatus Hard-shell Carrying Case	4059430
Breathing Apparatus Storage Cabinet (polycarbonate)	3310260

Dräger PSS® 3000

Dimensions (H x W x D)	23.2 x 11.4 x 6.3 inches (59 x 29 x 16 cm)
Weight (including LDV)	5.95 lb. (2.70 kg)
Weight with Integrated PAS ASV (including LDV)	7.72 lb. (3.50 kg)
Input Pressure	2216 PSI, 4500 PSI
Nominal 1st Stage Output Pressure	87-130 PSI
1st Stage Output Flow	>1000 L/min
LDV Output Flow	>400 L/min
Whistle Activation Pressure	554 PSI, 1125 PSI
Whistle Sound Level	>90 dBA
Approvals	NIOSH



Dräger X-plore® 9300 & PAS X-plore® Airline System

The Dräger X-plore® 9300 and PAS X-plore® are designed for light duty industrial applications and provide comfortable and reliable respiratory protection. Thanks to such features as the unique safe-flow reducer and auto-test function, wearers can enjoy more operating convenience, safety and flexibility.

Industrial Respiratory

03

Dräger X-plore® 9300 NIOSH and PAS X-plore® NIOSH		Order No.
Manifold sets - Preconfigured	X-plore® 9300 with Hansen brass connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen brass adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01264
	X-plore® 9300 with Hansen stainless connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Hansen stainless steel adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01265
	X-plore® 9300 with Schrader/ Foster connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, Schrader/ Foster adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01266
	X-plore® 9300 with CEJN connector. Includes X-plore® 9300 US manifold, waist belt-M, comfort padding, CEJN adapter fitting (connecting hose, loose fitting headpiece, and airline hose ordered separately)	VN01268
	PAS X-plore® with Hansen brass connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, Hansen brass adapter fitting (tight fitting mask, and airline hose ordered separately)	VN01269
	PAS X-plore® with Hansen stainless connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, Hansen stainless steel adapter fitting (tight fitting mask, and airline hose ordered separately)	VN01270
	PAS X-plore® with Schrader/ Foster connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, Schrader/ Foster adapter fitting (tight fitting mask, and airline hose ordered separately)	VN01273
	PAS X-plore® with CEJN connector. Includes PAS X-plore® US manifold, waist belt-M, comfort padding, NIOSH LDV, LDV holder, CEJN adapter fitting (tight fitting mask, and airline hose ordered separately)	VN01274
Connecting hose (X-plore® 9300)	X-plore® 8000 Flexible hose (Helmet/Hood)	R59600
	X-plore® 8000 Standard hose (Helmet/Hood)	R59620
	X-plore® 8000 Standard hood, short (S/M)	R59800
Hoods - loose fitting headpiece (X-plore® 9300)	X-plore® 8000 Standard hood, short (L/XL)	R59810
	X-plore® 8000 Standard hood, long (S/M)	R59820
	X-plore® 8000 Standard hood, long (L/XL)	3723795
	X-plore® 8000 Premium hood, short (S/M)	R59840
	X-plore® 8000 Premium hood, short (L/XL)	R59850
	X-plore® 8000 Premium hood, long (S/M)	R59860
	X-plore® 8000 Premium hood, long L/XL	R59870
	X-plore® 8000 Hood for helmet, T4	3710774
	X-plore® 8000 Hood for helmet, T2	3710776

Industrial Respiratory

03

Dräger X-plore® 9300 NIOSH and PAS X-plore® NIOSH		Order No.
Helmets -loose fitting headpiece (X-plore® 9300)	X-plore® 8000 Helmet PC visor L1Z	VN01264
	X-plore® 8000 Helmet PC visor L2Z	VN01265
	X-plore® 8000 Helmet PC visor L3Z	VN01266
	X-plore® 8000 Helmet PC visor L2T2	VN01268
	X-plore® 8000 Helmet PC visor L3T4	VN01269
	X-plore® 8000 Helmet for hood	VN01270
	X-plore® 8000 Bump Cap for hood	VN01273
Masks -tight fitting (PAS X-plore®)	FPS® 7000 Mask, EPDM, PC Visor, Small	3707928
	FPS® 7000 Mask, EPDM, PC Visor, Medium	R56200
	FPS® 7000 Mask, EPDM, PC Visor, Large	R56300
	FPS® 7000 Mask, EPDM, APEC Visor (NFPA), Small	R61844
	FPS® 7000 Mask, EPDM, APEC Visor (NFPA), Medium	R61845
	FPS® 7000 Mask, EPDM, APEC Visor (NFPA), Large	R61846
	Panorama Nova Mask, EPDM, PC Visor	R52972
	Panorama Nova Mask, Silicone, PC Visor	R53070
Compressed airline hose - Preconfigured with couplings	Air Hose, 25 Ft, Heavy Duty, CEJN	VN01183
	Air Hose, 25 Ft, Heavy Duty, HANSEN BRASS	VN01185
	Air Hose, 25 Ft, Heavy Duty, HANSEN SS	VN01187
	Air Hose, 25 Ft, Heavy Duty, SCHRADER	VN01189
	Air Hose, 25 Ft, Light Duty, CEJN	VN01184
	Air Hose, 25 Ft, Light Duty, HANSEN BRASS	VN01186
	Air Hose, 25 Ft, Light Duty, HANSEN SS	VN01188
	Air Hose, 25 Ft, Light Duty, SCHRADER	VN01190
	Air Hose, 50 Ft, Heavy Duty, CEJN	VN00737
	Air Hose, 50 Ft, Heavy Duty, HANSEN BRASS	VN00738
	Air Hose, 50 Ft, Heavy Duty, HANSEN SS	VN01191
	Air Hose, 50 Ft, Heavy Duty, SCHRADER	VN01193
	Air Hose, 50 Ft, Light Duty, CEJN	VN00739
	Air Hose, 50 Ft, Light Duty, HANSEN BRASS	VN00740
	Air Hose, 50 Ft, Light Duty, HANSEN SS	VN01192
	Air Hose, 50 Ft, Light Duty, SCHRADER	VN01194
	Air Hose, 100 Ft, Heavy Duty, CEJN	VN00741
	Air Hose, 100 Ft, Heavy Duty, HANSEN BRASS	VN00742
	Air Hose, 100 Ft, Heavy Duty, HANSEN SS	VN01195
	Air Hose, 100 Ft, Heavy Duty, SCHRADER	VN01197
	Air Hose, 100 Ft, Light Duty, CEJN	VN00743
	Air Hose, 100 Ft, Light Duty, HANSEN BRASS	VN00744
	Air Hose, 100 Ft, Light Duty, HANSEN SS	VN01196
	Air Hose, 100 Ft, Light Duty, SCHRADER	VN01198
Accessories	X-plore® 8000 earmuffs	3710777
	Hairnet, FPS® 7000 NFPA	R56197
	Spectacle kit, P-Nova	R51548
	Welding shield, FPS® 7000	R58707
	Welding shield, P-Nova	4053437
	LDV holder	3357527
	Transponder RFID disk	R56375
	Transport bag, black	R53373

Communication systems available with FPS® 7000 face masks on PAS X-plore® systems

Industrial Respiratory

Other components		Order No.
Waist belt	Standard Waist Belt, Size Medium 50 in (1280 mm)	3363680
	Standard Waist Belt, Size Large 70 in (1780 mm)	3363682
	Decon Waist Belt, Size Medium 50 in (1280 mm)	3363681
	Decon Waist Belt, Size Large 70 in (1780 mm)	3363683
	Leather Waist Belt, Size Medium 48 in (1220 mm)	3363461
	Leather Waist Belt, Size Large 56 in (1420mm)	3363462
	Comfort padding	3363425
LDV (PAS X-plore®)	Lung demand valve (LDV)	3338712
Manifold	X-plore® 9300 US, manifold only, threaded (no fitting adapter)	3723104
	PAS X-plore® US, manifold only, threaded (no fitting adapter)	3723029
Adapter- manifold to hose	Adapter, ¼" ANPT, Hansen Brass	4059051
	Adapter, ¼" ANPT, Hansen (Stainless Steel)	4050437
	Adapter, ¼" ANPT , Schrader, Foster	4059054
	Adapter, ¼" ANPT, CEJN	4059080
	Adapter, ¼" ANPT, Snaptite	4059056

Other lengths and configurations of compressed airline hose are available.

Industrial Respiratory

Dräger X-plore® 9300 NIOSH and PAS X-plore® NIOSH

General	Dräger X-plore® 9300	Dräger PAS X-plore®
Material properties	Anti-static	Anti-static
Manifold	Brass (Ni plated)	Brass (Ni plated)
Cover	Nylon 6/6	Nylon 6/6
Waistbelt standard	Polyester	Polyester
Waistbelt decontamination	PTFE coated polyester	PTFE coated polyester
Waistbelt leather	Leather	Leather
Measurements belt unit - Medium (Standard and Decon)	1 ½ in W x 29.5 - 50 in L (38 mm x 750-1280 mm)	1 ½ in W x 29.5 - 50 in L (38 mm x 750-1280 mm)
Measurements belt unit - Large (Standard and Decon)	1 ½ in x 29.5 - 70 in L (38 mm x 750-1780mm)	1 ½ in x 29.5 - 70 in L (38 mm x 750-1780mm)
Measurements belt unit - Medium (Leather)	1 ½ in W x 39.5 - 48 L (38mm x 1000-1220 mm)	1 ½ in W x 39.5 - 48 L (38mm x 1000-1220 mm)
Measurements belt unit - Large (Leather)	1 ½ in W x 39.5 - 56 L (38mm x 1000-1420 mm)	1 ½ in W x 39.5 - 56 L (38mm x 1000-1420 mm)
Weight	1.1 lb (< 0.5 kg)	1.1 lb (< 0.5 kg)
Approvals	The equipment conforms to OSHA 42 CFR 84, NIOSH 19C. The product is approved for use as a supplied airline respirator (SAR) system, and must only be used in the Dräger configurations approved by NIOSH.	

Technical Details

Recommended airline pressure	87 to 125 psi	87 to 125 psi
Minimum input pressure	The minimum input pressure depends on the hose length and number of couplings in line. Insufficient pressure supply is indicated by the warning whistle. Do not exceed an input pressure of 125 psi.	
Minimum input flow	7 cfm (200 l/min)	14 cfm (400 l/min)
Input coupling (standard)	Hansen Brass, Hansen Stainless, Schrader, CEJN	Hansen Brass, Hansen Stainless, Schrader, CEJN
Input coupling (optional)	Snaptite, Foster	Snaptite, Foster
Operating temperature	+15 °F to +140 °F (-9 °C to +60 °C)	-22 °F to +140 °F (-30 °C to +60 °C)
Storage temperature	-5 °F to +105 °F (-20 °C to +40 °C)	-5 °F to +105 °F (-20 °C to +40 °C)
Volume of warning whistle	> 90 dBA	> 90 dBA
Air supply hose requirement	5 feet to 300 feet of Dräger approved hose. The airline hose must not be made up of more than 12 individual hoses.	

Required system components

Headpiece	Dräger X-plore® 8000 hoods	Dräger Panorama Nova
	Dräger X-plore® 8000 helmets	Dräger FPS® 7000
Hose	Dräger X-plore® 8000 Hose	Lung demand valve
Waistbelt	Belt standard	Belt standard
	Belt decontamination	Belt decontamination
	Belt leather	Belt leather
Airline belt manifold	Dräger X-plore® 9300	Dräger PAS X-plore®
Connection to external air source	Dräger medium pressure air supply hoses	Dräger medium pressure air supply hoses



Dräger PAS Colt / PAS Colt SAR Short Term Breathing Apparatus

Combining versatility, ease-of-use, and the latest in breathing apparatus design, Dräger's PAS Colt is among the most technologically advanced, short duration, and emergency escape units available.

Industrial Respiratory

Dräger PAS Colt / PAS Colt SAR		Order No.
PAS Colt SAR w/ Panorama Nova® Mask, Hansen Brass		4057628
PAS Colt SAR w/ NO Mask, Hansen Brass		4057629
PAS Colt SAR w/ NO Mask, CEJN		VN00745
PAS Colt 5 min w/ Panorama Nova® Mask, 2216 PSI Cylinder, Hansen Brass		4046205
PAS Colt 5 min w/ NO Mask, 2216 PSI Cylinder, Hansen Brass		4046206
PAS Colt 5 min w/ NO Mask or Cylinder, CEJN		VN00746
PAS Colt 5 min w/ NO Mask or Cylinder, CEJN and ASV		VN00747
PAS Colt 5 min w/ NO Mask or Cylinder, Hansen Brass and ASV		VN00748
PAS Colt 10 min w/ Panorama Nova® Mask, 3000 PSI Cylinder, Hansen Brass and ASV		4046209
PAS Colt 10 min w/ NO Mask, 3000 PSI Cylinder, Hansen Brass and ASV		4046210
PAS Colt 10 min w/ NO Mask or Cylinder, CEJN		VN00749
PAS Colt 10 min w/ NO Mask or Cylinder, CEJN and ASV		VN00750
PAS Colt 10 min w/ NO Mask or Cylinder, Hansen Brass		VN00751
Configurable Pas Colt (eg. Escape Only Versions, Alternate Airline Fittings, etc.)		R62985
Cylinders for Dräger PAS Colt		
5 min, 2216 PSI Aluminum Cylinder w/ Standard Valve		4054744
5 min, 2216 PSI Aluminum Cylinder w/ SCBA Style Valve		4057549
10 min, 3000 PSI Aluminum Cylinder w/ Standard Valve		4055061
Facepieces for Dräger PAS Colt		
Panorama Nova, EPDM		R52972
FPS® 7000 Small, EPDM		R56249
FPS® 7000 Medium, EPDM		R56200
FPS® 7000 Large, EPDM		R56300
Airline Hose for Dräger PAS Colt		
50' Light Duty Airline Hose w/ CEJN Fittings		VN00739
50' Light Duty Airline Hose w/ Hansen Brass Fittings		VN00740
100' Light Duty Airline Hose w/ CEJN Fittings		VN00743
100' Light Duty Airline Hose w/ Hansen Brass Fittings		VN00744
50' Heavy Duty Airline Hose w/ CEJN Fittings		VN00737
50' Heavy Duty Airline Hose w/ Hansen Brass Fittings		VN00738
100' Heavy Duty Airline Hose w/ CEJN Fittings		VN00741
100' Heavy Duty Airline Hose w/ Hansen Brass Fittings		VN00742
Configurable Airline Host (eg. Different Lengths, Alternate Airline Fittings, etc.)		R62939

Industrial Respiratory

Approvals

Size (H x W x D) - Min (in)	31.1 x 19.6 x 2.7 in	21.6 x 19.6 x 2.7 in
Size (H x W x D) - Min (in)	37.4 x 19.6 x 2.7 in	25.1 x 19.6 x 2.7 in
Weight (lbs)	3.5 lbs	5.5 lbs
Input Pressure Cylinder (PSI)	NA	2216 or 3000 psi
Input Pressure Airline (PSI)	87 – 130.5 PSI	87 – 130.5 PSI
Nominal 1st stage output Pressure (PSI)	101.5 PSI	101.5 PSI
1st stage output Flow (l/min)	>600	>600
LDV Output flow (l/min) >400	>400	>400
Whistle activation pressure (PSI)	58 – 72.5 PSI	798 – 870 PSI
Whistle Sound Level (dBA)	>90	>90
Whistle Frequency Range (Hz)	2,000 – 4,000	2,000 – 4,000
Operating Temperature Range	-25.6 °F to 158 °F (-32 °C to 70 °C)	-25.6 °F to 158 °F (-32 °C to 70 °C)



Dräger Saver CF N (NIOSH) Emergency Escape Breathing Apparatus

In emergency situations, conditions can deteriorate rapidly. Ambient breathing air can be suddenly filled with smoke or toxic fumes and rapid escape is the only available option. The Dräger Saver CF N constant flow Emergency Escape Breathing Apparatus is designed to allow, effective, and uncomplicated escape from hazardous environments.

Industrial Respiratory

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Dräger Saver CF NIOSH	Order No.
Saver CF5 N	4042055
Saver CF10 N	4042056
Saver CF15 N	4042057

	Dräger Saver CF NIOSH 5 Minute	Dräger Saver CF NIOSH 10 Minute	Dräger Saver CF NIOSH 15 Minute
Dimensions (NIOSH) (H x D x L)	9.4 x 7.0 x 12.5 in (240 x 180 x 320 mm)	9.4 x 7.0 x 17.3 in (240 x 180 x 440 mm)	9.4 x 7.4 x 16.5 in (240 x 190 x 420 mm)
Weight	8.7 lbs (3.98 kg)		
Cylinder charging pressure	3,000 psi		
Airflow to the hood	35–37 L/min		
Operating temperature range	5 °F to 140 °F (-15 °C to +60 °C)		
Storage temperature range	5 °F to 77 °F (-15 °C to +25 °C)		
Approvals	NIOSH, ABS, SOLAS and TC		



Dräger Oxy SR Cap III Oxygen Self Rescuer

The Dräger Oxygen Self Rescuer is a respiratory protective device for self-rescue which is independent of the ambient air. The device can be used maintenance-free over its entire service life. No additional pressure or weight tests are required.

Industrial Respiratory

Dräger Oxy SR Series

Dräger Oxy SR 60 / CAP III configurator	3715560
Dräger Oxy SR Cap III 10 - Year Unit	6306840
Dräger Oxy SR Cap III 5 - Year Unit	3709881
Dräger Oxy SR 60 Training device	3715506

Accessories for Dräger Oxy SR Cap III and Oxy SR Cap III/SR 60 Training Device

Support ring hip with AP	3715580
Support ring hip	3715581
Support ring shoulder with AP	3715582
Support ring shoulder	3715583
Abrasion protection	3715584
Return packaging	3715588

Accessories for Dräger Oxy SR and Training devices

Oxy SR Belt	3715590
Oxy SR Hip belt, antistatic	3715595
Device bracket	3715599
Oxy SR Bag	3715555

Accessories for Dräger Oxy SR Training device

Mouthpiece assembly	3715510
Practice simulator	3715515

Industrial Respiratory

Dräger Oxy SR Cap III

		Dräger Oxy SR CAP III
Ambient Temperature	For transport and storage	-30 °C to +50 °C (-22 °F to +122 °F)
	Worn device (carried)	+5 °C to +50 °C (+23 °F to +122 °F)
	Used device in deployment / escape	-20 °C to +70 °C ¹⁾ (-4 °F to +158 °F)
	Temperature of the inhalation air (dry, breathable air)	Max. +50 °C (Max. +122 °F)
	Relative humidity	Up to 100%
	Ambient pressure	700 hPa to 1300 hPa (10.15 psi to 18.86 psi)
Volume of the breathing bag		> 10 liters
Weights ²⁾	Oxygen capacity ³⁾	> 90 L
	VO ₂ 1.35 L /min (NIOSH capacity test) ³⁾	Up to 70 min
	Self rescuer	Approx. 3.5 kg (7.72 lbs)
	Self rescuer in use (functional unit)	2.4 kg (5.29 lbs)
	Support ring	190 g (0.42 lb)
Dimensions (w x h x d) ²⁾	Abrasion protection	280 g (0.62 lb)
	Shoulder strap	130 g (0.29 lb)
		250 x 215 x 125 mm (9.84 x 8.46 x 4.92 in)
	In use (functional unit)	190 x 240 x 100 mm (7.48 x 9.45 x 3.94 in)
		265 x 217 x 125 mm (10.43 x 8.54 x 4.92 in)
Total service life		Up to 10 years
Approvals		42 CFR part 84 capacity 3

¹⁾ Use in ambient temperatures down to -20 °C is possible if the oxygen self rescuer was stored at room temperature before donning and is exposed to -20 °C for no longer than 30 minutes. In cold weather conditions, particularly at sub-zero temperatures, the self rescuer may be difficult to open.

²⁾ Weight and dimensions may vary due to tolerances differ from the specifications.

³⁾ Meets approval for respiratory protective devices 42 CFR part 84.

Emergency Escape Breathing Apparatus

Escape Hoods
Dräger PARAT®

Emergency Escape Breathing Apparatus

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Breathe easy – independent of the air around you.

In emergency situations, conditions can deteriorate rapidly. Ambient breathing air can be suddenly filled with smoke or toxic fumes and rapid escape is the only available option. The Dräger's Emergency Escape Breathing Apparatus allows safe, effective and uncomplicated escape from hazardous environments.

Respiratory protection even in the most extreme conditions Dräger filtering and constant flow devices are easily ready for use in a few simple steps. Immediately after donning, workers can escape the danger zone, reliably.

Advantages:

- A wide range of emergency escape breathing apparatus: from the easy-to-use filter, particularly compact, to the insulators associated with a hood or mask to innovative oxygen generation with a range of up to 15 minutes
- Easy and fast implementation even for untrained people
- Compact and robust packaging / case
- Numerous versions: with or without hood, different durations of protection, training units available
- Economical: up to 10 years of maintenance-free use
- Our technical sales representatives advise you on the most suitable solution
- Maintenance and service by our DrägerService Service Center.



Dräger PARAT® Filter Escape Hoods Filtering Escape Device

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Emergency Escape Breathing Apparatus

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Dräger PARAT® Escape Hoods	Order No.
Dräger PARAT® 4920, Soft Pack	3721331
Dräger PARAT® 5510, Single Pack	R59415
Dräger PARAT® 5520, Soft Pack	3721330
Dräger PARAT® 5530, Hard Case	R59435
Dräger PARAT® 7520, Soft Pack	3721329
Dräger PARAT® 7530, Hard Case	R59437
Dräger PARAT® Training Hood, Soft Pack	3721327
Dräger PARAT® Training Hood, Hard Case	R59430

Accessories	
Replacement Filter Set: Dräger PARAT® 4920 (includes NIOSH Multigas/R95 Filter and security seal)	R59473
Replacement Filter Set: Dräger PARAT® 5520/5530 (includes CO P2 filter and security seal)	R59475
Replacement Filter Set: Dräger PARAT® 7500 (includes ABEK CO P3 filter and security seal)	R59477
Wallholder PIN for Dräger PARAT® Hard Case	R59451
Wallholder HOOK for Dräger PARAT® Hard Case	R59452
Waist Belt, textile	6733934
Waist Belt, plastic	R53026
Waist Belt, antistatic	3715595
Shoulder Strap	R59461
Belt Clip	R59456
Grip Clip	R59455
Adapter Plate for Dräger PARAT® Soft Pack	R58742
D-Ring for Dräger PARAT® Hard Case	R59457
Filter Dummy for Dräger PARAT® Training Hoods	R59479
Filterplug Straps for Dräger PARAT® Training Hoods	R59482
Security Seal for Dräger PARAT® Hoods	R59484
Set Sticker Luminescent for Dräger PARAT® 4920	3725786
Set Sticker Luminescent for Dräger PARAT® 5520	3725782
Set Sticker Luminescent for Dräger PARAT® 7520	3725785
Set Sticker Luminescent for Dräger PARAT® Training Unit	3725787

Emergency Escape Breathing Apparatus

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	Dräger PARAT® 4900	Dräger PARAT® 5500	Dräger PARAT® 7500	Dräger PARAT® Training
Filter performance	NIOSH Multigas / R95 combination filter for toxic industrial gases, vapors, and particles	CO P2: combination filter against toxic fire-related gases, vapours and particles	ABEK CO P3: combination filter against toxic gases, vapours, particles and fire-related gases	Empty filter housing
Period of Use	At least 15 minutes			-
Total service life	16 years (provided the filter is exchanged after eight years)			-
Weight	Dräger PARAT® 4920: 26.7 oz (758 g)	Dräger PARAT® 5520: 24.7 oz (701 g) Dräger PARAT® 5530: 25.4 oz (720 g)	Dräger PARAT® 7520: 30 oz (853 g) Dräger PARAT® 7530: 29.2 oz (830 g)	Soft Pack: 17.9 oz (510 g) Hard Case: 20.1 oz (570 g)
Dimensions (length x width x height)	Dräger PARAT® 4920: 8.8 x 5.6 x 4.8 in (225 x 142 x 122 mm)	Dräger PARAT® 5520: 8 x 5.1 x 4.1 in (204 x 130 x 105 mm) Dräger PARAT® 5530: 9.4 x 5.6 x 4.2 in (241 x 143 x 107 mm)	Dräger PARAT® 7520: 8.8 x 5.6 x 4.8 in (225 x 142 x 122 mm) Dräger PARAT® 7530: 9.8 x 6.1 x 4.5 in (249 x 156 x 115 mm)	Soft Pack: 8 x 5.1 x 4.1 in (204 x 130 x 105 mm) Hard Case: 9.4 x 5.6 x 4.2 in (241 x 143 x 107 mm)
Approvals	NIOSH 42 CFR Part 84	EN 403:2004 PARAT® 5550: additionally approved to EN 137:2006 Type 2 Additionally tested for the use against H2S (at 2,500 ppm) in accordance with DIN 58647-7:1997	EN 403:2004 DIN 58647-7:1997 Additionally tested in accordance with EN 14387	-

PARAT 4920: NIOSH Approved and Independently Tested Gases

Gas/Vapor	Test Concentration	Minimum Service Life (min.)	Tested By:
Ammonia	1,000 ppm	25	NIOSH CFR 84.207 & 84.190 (a)
Chlorine	500 ppm	17.5	NIOSH CFR 84.207 & 84.190 (a)
Chlorine Dioxide	500 ppm	30	NIOSH CFR 84.207 & 84.190 (b)
Hydrogen Chloride	500 ppm	25	NIOSH CFR 84.207 & 84.190 (b)
Hydrogen Fluoride	70 ppm	30	NIOSH CFR 84.207 & 84.190 (b)
Hydrogen Sulfide	1,000 ppm	30	NIOSH CFR 84.207 & 84.190 (b)
Methylamine	1,000 ppm	12.5	NIOSH CFR 84.207 & 84.190 (a)
Organic Vapor Test	1,000 ppm	25	NIOSH CFR 84.207 & 84.190 (a)
Sulfur Dioxide Test	500 ppm	15	NIOSH CFR 84.207 & 84.190 (a)
HCHO/Formaldehyde	100 ppm	40	Independent/In House Testing
HCN/Hydrogen Cyanide	500 ppm	50	Independent/In House Testing
Hg/Mercury Vapor	21.5 mg x n -3	60	Independent/In House Testing

Emergency Escape Breathing Apparatus

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Gas filter capacity according to DIN 58647-7:1997*

Type	Test gas	Concentration in ppm	Minimum exposure time in min
A	Cyclohexane (C ₆ H ₁₂)	2,500	15
B	Chlorine (Cl ₂)	2,500	15
B	Hydrogen sulphide (H ₂ S)	2,500	15
B	Hydrogen cyanide (HCN)	2,500	15
E	Sulphur dioxide (SO ₂)	2,500	15
K	Ammonia (NH ₃)	2,500	15
B	Hydrogen sulphide (H ₂ S)	10,000	5

* Test conditions: 30 L/min, 70 % relative humidity, 20 °C / 68 °F

Gas filter capacity according to EN 403:2004*

Test gas	Concentration in ppm	Minimum exposure time in min
Carbon monoxide (CO)	2,500	15
	5,000	15
	7,500	15
	10,000	15
Propenal (Acrolein)	100	15
Hydrogen chloride (HCl)	1,000	15
Hydrogen cyanide (HCN)	400	15

* Test conditions: 30 L/min, 70% rel. humidity, 20 °C / 68 °F

Gas filter capacity according to EN 14387*

Type	Test gas	Concentration in ppm	Minimum exposure time in min
A	Cyclohexane (C ₆ H ₁₂)	1.000	70
B	Chlorine (Cl ₂)	1.000	20
	Hydrogen sulphide (H ₂ S)	1.000	40
	Hydrogen cyanide (HCN)	1.000	25
E	Sulphur dioxide (SO ₂)	1.000	20
K	Ammonia (NH ₃)	1.000	50

*Test conditions: 30 L/min, 70 % relative humidity, 20 °C / 68 °F

Portable Gas Detection

Multi-Gas Detectors

Dräger X-am® 2800	103
Dräger X-am® 5600	110
Dräger X-am® 5800	115
Dräger X-am® 3500	120
Dräger X-am® 8000	126
Dräger X-pid® 9500/9500+	133

Area Monitoring

Dräger X-zone® 5800	135
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Calibration and Bump Testing

Dräger X-dock® 5300/6300/6600	138
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Single-Gas Detectors

Dräger Pac® 6000	142
Dräger Pac® 6500	145
Dräger Pac® 8000	148
Dräger Pac® 8500	151
Dräger X-am® 5100	154

Wireless Hazard Area Monitor

X-site Live	157
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External Pump

X-am® Pump	161
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Gateway

Dräger ConHub	163
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Calibration Gas

Calibration Gases	167
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Safety to go.

Many hazards in the workplace cannot be detected by human senses: some toxic gases, oxygen deficiency, some combustible gases and vapors. These hazards pose a serious threat to human life and plant safety in many industries. When it comes to the reliable detection of known and unknown gases, you can rely on portable gas detection technology from Dräger. Our extensive product range offers you the perfect solution for every application.

Profit from our experience.

The development of our Dräger-Tubes® more than seventy years ago laid the cornerstone for accurate gas detection. Today, thanks to continuous research and development, we now offer more than 250 Dräger-Tubes® able to detect over 500 substances. Combined with the Dräger chip measuring system, an electronic form of the tube, Dräger provides you with some of the most accurate and reliable means available for spot concentration measurement.

We take your protection personally.

Personal gas detection instruments are essential for providing workers with a reliable form of protection. Our sophisticated single-gas detectors are recommended for ensuring workplace safety when you need to be alerted to the presence of harmful gas concentrations.

Dräger multi-gas detectors offer a wide range of options, making them flexible companions in a variety of situations such as personal protection, area monitoring, and leak detection. Special accessories make it easier to work in places that are difficult to access, such as tanks or shafts, while ensuring that safe clearance is possible.

We continuously invest in sensor technology to ensure greater safety at work. Our sensor systems, including catalytic, infrared, electrochemical and photoionization detectors (PID), set standards in terms of sensitivity and longevity. Providing the world's largest number of electrochemical sensors to measure the widest variety of gases means that a perfect solution is available for each measurement task. Testing and calibration stations, portable printers, and complete workshop solutions ensure that your Dräger gas detection instruments are well maintained and ready for use at a moment's notice.



Dräger X-am® 2800 Multi-Gas Detector

The X-am® 2800 multi-gas detector measures up to four gases and is equipped with a shock-resistant CatEx SR sensor. With the Dräger Gas Detection Connect software, it offers live monitoring and powerful fleet management. Designed for personal monitoring, the X-am® 2800 offers the highest level of safety at a low cost of ownership.

Portable Gas Detection

Dräger X-am® 2800	Order no.
Dräger X-am® 2800 Ex, O ₂ , CO, H ₂ S (Settings: Factory default settings with standard alarm thresholds, unit CatEx SR: "%LEL", with power supply (rechargeable battery), without charger.	NA11349
Dräger X-am® 2800 Ex, O ₂ , CO, H ₂ S (Settings: Factory default settings with standard alarm thresholds, unit CatEx SR: "%LEL", with power supply (rechargeable battery), with charger.	NA11350
Configurator	
Dräger X-am® 2800 (configurator) consisting of: Basic device (with data logger), delivery with manufacturer and calibration certificate. Configurator: up to 4 sensors can be selected, sensor configuration can be changed later in product life.	
Customer-specific settings (firmware) can be selected when ordering, examples: Measurement gas for the Ex sensor (factory setting: methane), alarm thresholds, alarm behaviour, quick menu options, D-light etc.	3728960
Power supply (battery) optional (factory setting: with battery), without charger	
Instruction for use included in the standard scope of delivery in the following languages: GER, EN, FR, ES, PT, IT, NL, RU, ZH, JA	9300307
Instruction for use available in other languages: DA, FI, NO, SV, PL, HR, SL, SK, CS, BT, RO, HU, EL, TR, KO, ET, LV, LT	Available as download on the product page: www.draeger.com/ifu Part number: 9300428
Technical manual available in the following languages: : GER, EN, FR, ES, RU	Available as download on the product page: www.draeger.com/ifu Part number: 9300310
Selected device options when placing the order	RFID transponder
	Number of instructions for use (for order n > 1)
	Bluetooth® communication protocol for integration into third-party systems (GATT license)
Bluetooth® communication protocol (GATT License) for subsequent activation	
Dräger X-am® Open GATT License (1 ea.)	3723353
Slot 1: CatEx SR Sensor	
Slot 2 – 4: Electrochemical Sensors in XXS Format	

Portable Gas Detection

DrägerSensors	Sample gases	Measuring range	Resolution	Expected service life	Order No.
CatEx SR (Shock Resistant) ^{1) 2)} (factory setting: methane, other measuring gases selectable)	methane, additional gases adjustable (propane, pentane, nonane, hydrogen and many more)	0 – 100 % LEL	1 % LEL	> 4 years	6851900
	methane	0 – 5 Vol.-% CH ₄	0.1 Vol.-%		
XXS O ₂ ¹⁾ (4 alarm thresholds)	oxygen	0 – 25 Vol%	0.1 Vol.-%	> 5 years	6810881
XXS O ₂ PR (4 alarm thresholds, increased robustness)	oxygen	0 – 30 Vol%	0.1 Vol.-%	> 5 years	6800530
XXS CO LC ¹⁾	carbon monoxide	0 – 2.000 ppm	1 ppm	> 5 years	6813210
XXS H ₂ S LC ¹⁾	hydrogen sulphide	0 – 200 ppm	0.1 ppm	> 5 years	6811525
XXS NO ₂	nitrogen dioxide	0 – 50 ppm	0.1 ppm	> 3 years	6810884
XXS SO ₂ (with KX-Filter)	sulphur dioxide	0 – 100 ppm	0.1 ppm	> 3 years	6810885
All sensors: Response time T90: < 15 s (CatEx SR: specification for gas methane/propane)					
1) Manufacturer's warranty: 4 years, The statutory rights for defects remain unaffected, Manufacturer's warranty according to the conditions listed in the technical documentation. Sensors warranted separately.					
2) Special calibration for the Ex sensor is possible (default setting: methane, target gas calibration and cross calibration is possible).					
CatEx SR, sample gas "Methane" Option: No blocking alarm for sample gas methane (2 sensitivity calibrations required, display: overrange)					For availability of the function: Please contact Dräger

Power supply units/chargers	Order No.
Charging set Basic consisting of a desktop charger and power supply (worldwide)	8320333
Battery and charging set (2.0): NiMH supply unit T4 with desktop charger and power supply unit (complete set)	3703889
NiMH supply unit T4 (2.0) battery only	3703887
Charging adapter (for charging a rechargeable battery without X-am® unit)	8326101
Desktop charger	8318639
Plug-in power supply (worldwide) for charging 1 unit	8316997
Plug-in power supply (worldwide) for up to 5 charging modules	8316994
Adapter for power plug (only necessary for 8321849 and 8321850)	8325736

Portable Gas Detection

Pump accessories

Dräger X-am® Pump (external pump)	8327115
GP600 Probe (plastic), with Luer connection	8328667
Telescopic probe ES 150, stainless steel (connection for filter is included in SN 8319364 (dust/water filter)).	8316533
Floating probe (transparent), with adapter	8327654
5 m (16 ft) FKM hose, 3.2 mm, with adapters	8325705
10 m (32 ft) FKM hose, 3.2 mm, with adapters	8325706
20 m (66 ft) FKM hose, 3.2 mm, with adapters	8325707
45 m (148 ft) FKM hose, 3.2 mm, with adapters	8325712
Dust and water filter for pump inlet (replacement filter)	8319364
Dust and water filter for pump inlet (replacement filter, 20 pieces)	3705997
Confined space entry kit (free measuring) with external pump and 5 m (16 ft) FKM hose	8327117
Empty case, with space for X-am® 1/2/5x00, charging accessories, probe, gas cylinder, pump, 3 m (10 ft) hose and much more.	8327112
Other probes and hoses	On request

Calibration accessories

Calibration adapter for Dräger X-am® 1/2/5x00	8318752
Further versions and accessories Dräger X-dock®	Please contact Dräger
Automatic test station Dräger X-dock® 5300 (with master) 1/2/5x00	8321880
Dräger X-dock® module X-am® 125	8321890
Dräger X-dock® module X-am® 125+ (with charging function)	8321891

Accessories for measured value acquisition and configuration

Dräger CC-Vision	Freeware (www.draeger.com/software)
Dräger GasVision license key	8325646 (www.draeger.com/software)
USB DIRA with USB cable, communication adapter infrared to USB (Note: Positioning is done with the calibration cradle. Pn: 8318752).	8317409

GDC Lite Configurator

The Lite Configurator includes a mandatory Core License Lite and optional licenses

Gas Detection Connect Lite	3740516
GDC Lite Core License (mandatory)	3739666
GDC X-dock License Lite	3739668

GDC Standard Configurator

The Standard Configurator includes a mandatory Core License Standard and optional licenses

Gas Detection Connect Standard	3740515
GDC Standard Core License (mandatory)	3739670
GDC X-dock License Standard	3739671
GDC ConHub License	3739672
GDC App License	3739673
GDC Transmitter License	3739674

Portable Gas Detection

Other accessories	Order No.
Leather carrying case (black)	8318755
Transponder reader (for reading the optionally integrated RFID transponder)	6559283
Set of stickers X-am® 2800/5800 silver (10x)	3703852
Set of stickers X-am® 2800/5800 red (10x)	3703853
Set of stickers X-am® 2800/5800 blue (10x)	3703854
Set of stickers X-am® 2800/5800 yellow (10x)	3703855
Set of stickers X-am® 2800/5800 green (10x)	3703856
Set display protection cover X-am® 2800/5800 (10x)	3703857
E-set Upgrade RFID transponder (5 pcs.) (with adhesive tape)	3703898
Seal ring extractor (for changing XXS sensors). (Selected sensors are supplied with a similar tool ex works).	R21402

Portable Gas Detection

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Technical data	
Dimensions (W x H x D)	130 x 48 x 44 mm (5.12 x 1.89 x 1.73 in)
Weight	typically 220 to 250 g (7.76 to 8.82 oz), depending on sensor equipment
Housing	robust 2-component housing
Display	Matrix display with high resolution
Ambient conditions	
Temperature	-20 to +50 °C (-4 to 122 F) (Measurement and storage) -40 to +50 °C (-40 to 122 F) (Use in potentially explosive atmospheres)
Pressure	700 to 1300 mbar (Measurement) 800 to 1100 mbar (Use in potentially explosive atmospheres)
Relative humidity	10 to 95 % r.h. 5 to 95 % r.h. short term
Protection class	IP68
Alarms	
Visual	3 LED "red" (gas alarms) 3 LED "yellow" (device alarm)
Pressure	Multi-tone > 90 dB at 30 cm (12 in)
Vibration	
Visual	3 LED "red" (gas alarms) 3 LED "yellow" (device alarm)
Pressure	Multi-tone > 90 dB at 30 cm (12 in)
Vibration	
Additional technical specifications	
Energy supply	NiMH battery (no dangerous goods: UN marking) required during transport, replaceable by user, rechargeable
Bluetooth®	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService).
Operating times	> 12 h (Bluetooth active) Approx. typical 100 h without Ex-sensor
Charging time	< 4 h
Ready for measurement	< 60 s after switch-on
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)
Approvals	
ATEX	I M1 Ex da ia I Ma II 1G Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
IECEX	Ex da ia I Ma Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
CSA (USA & Canada)	CSA approval: cCSAus Class I, Zone 0, AEx da ia IIC T4 Ga Class I, Div 1, Groups A, B, C, D Class II, Div 1, Gr. E, F, G
EAC	Contact Dräger for availability
Directives	2014/34/EU (ATEX) 2014/53/EU (RED) 2011/65/EU (RoHS)

Portable Gas Detection

Technical data	
Manufacturers warranty	
5 years for the : XXS O ₂ , XXS CO, XXS H ₂ S, XXS O ₂ PR	NiMH battery (no dangerous goods: UN marking) required during transport, replaceable by user, rechargeable
4 years for the device (electronics and housing)	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService).
3 years for the CatEx SR and XXS O ₂ PR sensor (except NO ₂ (2 years) and SO ₂ (2 years))	> 12 h (Bluetooth active)
2 years for the battery pack	Approx. typical 100 h without Ex-sensor



Dräger X-am® 5600 Multi-Gas Detector

Featuring an ergonomic design and innovative infrared sensor technology, the Dräger X-am® 5600 is a small gas detection instrument for the measurement of up to 6 gases. Ideal for personal monitoring applications, this robust and water-tight detector provides accurate, reliable measurements of flammable and toxic gases and vapors as well as oxygen.

Portable Gas Detection

Dräger X-am® 5600		Order No.	
Dräger X-am® 5600 (configured)		8321050	
Consisting of: basic instrument with an integrated data logger. A functional instrument must include up to 4 sensors and a power supply unit (option).			
Description	Measuring range	Resolution	Order No.
Dual IR Ex/CO ₂ ES ¹	0 – 100 % LEL	1 % LEL	6851880
	0 – 100 Vol.-% Methane, Propane, Ethene, n-Butane	0.1 Vol.-% CH ₄	
	0 – 5 Vol.-% CO ₂	0.01 Vol.-% CO ₂	
IR Ex ES ¹	0 – 100 % LEL	1 % LEL	6851881
	0 – 100 Vol.-% Methane, Propane, Ethene, n-Butane	0.1 Vol.-% CH ₄	
	0 – 5 Vol.-% CO ₂	0.01 Vol.-% CO ₂	
IR CO ₂ ES	0 – 5 Vol.-% CO ₂	0.01 Vol.-% CO ₂	6851882
XXS O ₂ ²	0 – 25 Vol.-%	0.1 Vol.-%	6810881
XXS CO LC	0 – 2,000 ppm	1 ppm	6813210
XXS O ₂ 100	0 – 100 Vol.-%	0.5 Vol.-%	6812385
XXS O ₂ PR	0 – 30 Vol.-%	0.1 Vol.-%	6800530
XXS CO HC	0 – 10,000 ppm	5 ppm	6812010
XXS CO/H ₂ compensated	0 – 2,000 ppm CO	2 ppm	6811950
XXS H ₂ S LC ²	0 – 200 ppm	0.1 ppm	6811525
XXS H ₂ S HC	0 – 1,000 ppm	2 ppm	6812015
XXS CO LC/H ₂ S LC	0 – 2,000 ppm CO	1 ppm CO	6813280
	0 – 100 ppm H ₂ S	0.1 ppm H ₂ S	
XXS CO LC/O ₂	0 – 2,000 ppm CO	1 ppm CO	6813275
	0 – 25 Vol.-% O ₂	0.1 Vol.-% O ₂	
XXS H ₂ S LC/O ₂	0 – 100 ppm H ₂ S	0.1 ppm H ₂ S	6814137
	0 – 25 Vol.-% O ₂	0.1 Vol.-% O ₂	
XXS NO	0 – 200 ppm	0.1 ppm	6811545
XXS NO ₂	0 – 50 ppm	0.1 ppm	6810884
XXS NO ₂ LC	0 – 50 ppm	0.02 ppm	6812600
XXS SO ₂	0 – 100 ppm	0.1 ppm	6810885
XXS PH ₃	0 – 20 ppm	0.01 ppm	6810886
XXS PH ₃ HC	0 – 2,000 ppm	1 ppm	6812020
XXS HCN	0 – 50 ppm	0.1 ppm	6810887
XXS HCN PC	0 – 50 ppm	0.5 ppm	6813165
XXS NH ₃	0 – 300 ppm	1 ppm	6810888
XXS CO ₂	0 – 5 Vol.-%	0.1 Vol.-%	6810889
XXS Cl ₂	0 – 20 ppm	0.05 ppm	6810890
XXS H ₂	0 – 2,000 ppm	5 ppm	6812370

Portable Gas Detection

Description	Measuring range	Resolution	Order No.
XXS H ₂ HC	0 – 4 Vol.-%	0.01 Vol.-%	6812025
XXS OV	0 – 200 ppm	0.5 ppm	6811530
XXS OV-A	0 – 200 ppm	1 ppm	6811535
XXS Amine	0 – 100 ppm	1 ppm	6812545
XXS Odorant	0 – 40 ppm	0.5 ppm	6812535
XXS COCl ₂	0 – 10 ppm	0.01ppm	6812005
XXS Ozone	0 – 10 ppm	0.01 ppm	6811540

ES = Energy saving

HC = High concentration

¹ Special calibrations possible for the Ex sensors (Standard: methane).

² Dräger provides a 3 year manufacturer's warranty on the Dräger X-am® 5000 and these sensors. The legal rights arising from defects remain unaffected.

Power supply units	Order No.
NiMH power supply T42.0	3703887
Power pack & charging set consisting of: rechargeable NiMH power supply T42.0, charging module and a single charger (for worldwide use)	3703889
Charging accessories	
Charging module	8318639
Charging set basic, consisting of one charging module and a single power supply (worldwide use)	8320333
Power plug 100–240 VAC; 6.25 A, for charging up to 20 devices Adapter for power plug 8325736 is needed in addition.	8321850
Single charger (worldwide use) for max. 5 charger modules	8316994
Car charging connection cable 12 V / 24 V for a charging module	4530057
Vehicle charger mounting kit for one Dräger X-am® 1/2/5x00 charging module	8318779
Charging adapter for charging a rechargeable battery without X-am® device	8326101
Pump accessories	
Dräger X-am® Pump (external pump)	8327100
Dräger X-am® Pump incl. USB charger and shoulder strap	8327115
Hand pump adapter	8319195
CSE Set Dräger X-am® Pump (incl. 5 m FKM hose)	8327117
Case for Dräger X-am® Pump	8327104

Portable Gas Detection

Calibration accessories		Order No.
Calibration cradle		8318752
Dräger X-dock® 5300 for Dräger X-am® 1/2/5x00		8321880
Dräger Bump Test Station for Dräger X-am® 5600, not including gas cylinder		8319131
Communication accessories / software		
Dräger GasVision license key		8325646
	software: www.draeger.com/software (free trial version)	
Dräger CC-Vision		www.draeger.com/software
USB DIRA with USB cable, communication adapter infrared to USB		8317409
Case for Dräger X-am® Pump		8327104
Area monitoring		
Dräger X-zone® 5800 with integrated pump, 868 MHz, 24 Ah battery with diffusion and pump cap		8329030
In conjunction with the portable alarm amplifier Dräger X-zone® 5500/5800, the devices are combined into system, e.g. to monitor entire work areas or to switch the alarm contact to external equipment.		

Portable Gas Detection

Technical data

Dimensions (W x H x D)		48 x 130 x 44 mm
Weight		220 – 250 g
Ambient conditions	Temperature	-20 to +50 °C -40 °C possible over a short period (ATEX & IECEx only), max. 15 minutes with NiMH supply unit T4 (HBT 0000) or T4 HC (HBT 0100), prerequisite: storage of the device at room temperature at room temperature (+20 °C) for at least 60 minutes.
	Pressure	700 to 1,300 mbar
	Relative humidity	10 to 95 % r.h.
Protection class		IP 67
Alarms	Visual	360°
	Audible	Multi-tone > 90 dB at 30 cm
	Vibration	
Operating times		~ 12 h >250 h without Ex Sensor
Charging time		< 4 h
Datalogger		Application of an optimized data compression method with high accuracy and large storage capacity (typically data compression >90% compared to the traditional data logger concept with adjustable interval)
Pump operation		Maximum hose length 45 m; 148 ft.
Approvals	ATEX	II IG Ex da ia IIC T4/T3 Ga, I MI Ex da ia I Ma
	IECEx	Ex da ia IIC T4/T3 Ga, Ex da ia I Ma
	CSA (Canada & USA)	Class I, Div. 1, Groups A, B, C, D Class II, Div. 1, Groups E, F, G Class I, Zone 0, A/Ex da ia IIC T4/T3 Ga
	Measurement performance certificate	EN 50104
		EN 45544-1, EN 45544-2
		EN 60079-29-1
	CE mark	Electromagnetic Compatibility (Directive 2014/30/EU)
	MED	Marine Equipment Directive (Directive 2014/90/EU)
	MER	Merchant Shipping (Marine Equipment) Regulations 2016
	EAC	PO Ex ia I Ma X 0Ex ia IIC T4/T3 Ga X



Dräger X-am® 5800 Multi-Gas Detector

The X-am® 5800 multi-gas detector measures up to six gases and is equipped with a shock-resistant CatEx SR sensor. With the Dräger Gas Detection Connect software, it offers live data transmission and powerful fleet management. Designed for personal monitoring, the X-am® 5800 offers the highest level of safety at a low cost of ownership.

Portable Gas Detection

Dräger X-am® 5800	Order No.
Configurator	
Dräger X-am® 5800 (configurator) consisting of: Basic device (with data logger), delivery with manufacturer and calibration certificate. Configurator: up to 4 sensors can be selected, sensor configuration can be changed later in product life. Customer-specific settings (firmware) can be selected when ordering, examples: Measurement gas for the CatEx SR sensor (factory setting: methane), alarm thresholds, alarm behavior, quick menu options, D-light etc. Power supply (battery) optional (factory setting: with battery), without charge	3728970
Instruction for use included in the standard scope of delivery in the following languages: de, en, fr, es, pt, it, nl, ru, zh, ja	9300307
Instruction for use available in other languages: da, fi, no, sv, pl, hr, sl, sk, cs, bt, ro, hu, el, tr, ko, et, lv, lt	Available as download on the product page: www.draeger.com/ifu on the Internet Part number: 9300428
Technical manual available in the following languages: de, en, fr, es, ru	Available as download on the product page: www.draeger.com/ifu on the Internet Part number: 9300310
Selected device options when placing the order	Number of instructions for use (for order n > 1)
	Bluetooth® communication protocol for integration into third-party systems (GATT license)
	RFID transponder
Bluetooth® communication protocol (GATT License) for subsequent activation	
Dräger X-am® Open GATT license (1 pc.)	3723353
Slot 1: CatEx SR Sensor/XD-IR sensor or PID neo sensor, as soon as available	
Slot 2 – 4: XXS-format electrochemical sensors, including 1 dual sensor	

DrägerSensors®	Sample gases	Measuring range	Resolution	Expected service life	Order No.
CatEx SR (Shock Resistant) ^{1) 2)} (factory setting: methane, other measuring gases selectable)	methane, additional gases adjustable (propane, pentane, nonane, hydrogen and many more)	0 – 100 % LEL	1 % LEL	> 4 years	6851900
	methane	0 – 5 Vol.-% CH ₄	0.1 Vol.-%		
XXS O ₂ ¹⁾ (4 alarm thresholds)	oxygen	0 – 25 Vol%	0.1 Vol.-%	> 5 years	6810881
XXS O ₂ PR (4 alarm thresholds, increased robustness)	oxygen	0 – 30 Vol%	0.1 Vol.-%	> 5 years	6800530
XXS CO LC ¹⁾	carbon monoxide	0 – 2.000 ppm	1 ppm	> 5 years	6813210
XXS H ₂ S LC ¹⁾	hydrogen sulphide	0 – 200 ppm	0.1 ppm	> 5 years	6811525
XXS SO ₂ (with KX-Filter)	sulphur dioxide	0 – 100 ppm	0.1 ppm	> 3 years	6810885
XXS NO ₂	nitrogen dioxide	0 – 50 ppm	0.1 ppm	> 3 years	6810884
XXS NO ₂ LC	nitrogen dioxide	0 – 50 ppm	0.05 ppm	> 2 years	6812600
XXS H ₂ S-LC/CO-LC	hydrogen sulphide carbon monoxide	"0 to 100 ppm 0 to 2,000 ppm"	"0.1 ppm 1 ppm"	> 3 years	6813280
XXS O ₂ /CO-LC	oxygen carbon monoxide	"0 to 25 Vol. % 0 to 2,000 ppm"	"0.1 Vol. % 1 ppm"	> 3 years	6813275
XXS O ₂ /H ₂ S-LC	"oxygen hydrogen sulphide"	"0 to 25 Vol. % 0 to 100 ppm"	"0.1 Vol. % 0.1 ppm"	> 3 years	6814137
XXS CO H ₂ -CP (with compensation for hydrogen)	carbon monoxide	0 to 2,000 ppm	2 ppm	> 3 years	6811950

Portable Gas Detection

DrägerSensors®	Sample gases	Measuring range	Resolution	Expected service life	Order No.
XXS O ₂ 100	oxygen	0 to 100 Vol. %	0.5 Vol. %	> 3 years	6812385
XXS CO HC	carbon monoxide	0 to 10,000 ppm	5 ppm	> 3 years	6812010
XXS H ₂ S HC	hydrogen sulphide	0 to 1,000 ppm	2 ppm	> 3 years	6812015
XXS PH ₃	phosphine, other compounds available	0 to 20 ppm	0.01 ppm	> 3 years	6810886
XXS PH ₃ HC	phosphine	0 to 2,000 ppm	1 ppm	> 3 years	6812020
XXS HCN	hydrogen cyanide	0 to 50 ppm	0.1 ppm	> 1.5 years	6810887
XXS HCN PC	hydrogen cyanide	0 to 50 ppm	0.5 ppm	> 1.5 years	6813165
XXS NH ₃	ammonia	0 bis 300 ppm	1 ppm	> 2 years	6810888
XXS CO ₂	carbon dioxide	0 to 5 Vol. %	0.1 Vol. %	> 1.25 years	6810889
XXS OV	ethylene oxide, other compounds available	0 – 200 ppm EO	0.5 ppm EO	> 2 years	6811530
XXS OV-A	ethylene oxide, other compounds available	0 – 200 ppm EO	1 ppm EO	> 2 years	6811535
XXS NO	nitric oxide	0 to 200 ppm	0.1 ppm	> 2 years	6811545
XXS H ₂	hydrogen	0 to 2,000 ppm	5 ppm	> 2 years	6812370
XXS H ₂ HC	hydrogen	0 to 4 Vol. %	0.01 Vol. %	> 2 years	6812025
XXS Odorant	tetrahydrothiophene, other compounds available	0 – 40 ppm	0.5 ppm	> 2 years	6812535
XXS Amine	methylamine, other compounds available	0 – 100 ppm	1 ppm	> 1.5 years	6812545
XXS Cl ₂	chlorine, other compounds available	0 – 20 ppm	0.05 ppm	> 2 years	6810890
XXS O ₃ (Ozone)	ozone	0 to 10 ppm	0.01 ppm	> 2 years	6811540
XXS COCl ₂	phosgene	0 to 10 ppm	0.01 ppm	> 0.5 years	6812005

CatEx SR: T90 response time < 15 s (specified for methane/propane measuring gas), other response times: see DrägerSensor® & gas detection device handbook

¹⁾ Manufacturer's warranty: 4 years, The statutory rights for defects remain unaffected,

²⁾ Special calibration for the Ex sensor is possible (default setting) methane, further target gas calibration and cross calibration is possible). CatEx SR, sample gas > methane < option: Automatic measuring range switching for measuring gas methane (2 sensitivity calibrations required)

GDC Lite Configurator

The Lite Configurator includes a mandatory Core License Lite and optional licenses

Gas Detection Connect Lite	3740516
GDC Lite Core License (mandatory)	3739666
GDC X-dock License Lite	3739668

GDC Standard Configurator

The Standard Configurator includes a mandatory Core License Standard and optional licenses

Gas Detection Connect Standard	3740515
GDC Standard Core License (mandatory)	3739670
GDC X-dock License Standard	3739671
GDC ConHub License	3739672
GDC App License	3739673
GDC Transmitter License	3739674

Portable Gas Detection

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Technical data	
Dimensions (W x H x D)	130 x 48 x 44 mm (5.12 x 1.89 x 1.73 in)
Weight	typically 220 to 250 g (7.76 to 8.82 oz), depending on sensor equipment
Housing	robust 2-component housing
Display	Matrix display with high resolution
Ambient conditions	
Temperature	-20 to +50 °C (-4 to 122 F) (Measurement and storage) -40 to +50 °C (-40 to 122 F) (Use in potentially explosive atmospheres)
Pressure	700 to 1300 mbar (Measurement) 800 to 1100 mbar (Use in potentially explosive atmospheres)
Relative humidity	10 to 95 % r.h. 5 to 95 % r.h. short term
Protection class	IP68
Alarms	
Visual	3 LED 'red' (gas alarms) 3 LED 'yellow' (device alarm)
Acoustic	Multi-tone > 90 dB at 30 cm (12 in)
Vibration	
More technical specifications	
Energy supply	NiMH battery, rechargeable, replaceable by user
Bluetooth®	Bluetooth 5.0 (disabled for some countries outside the EU and outside North America, but can be retrofitted. Contact DrägerService).
Operating times	For CatEx SR and PID sensor: > 12 h (Bluetooth® active) Operating with electrochemical sensors only: typical 100 h
Charging time	< 4 h
Ready for measurement	< 60 s after switch-on (CatEx SR and electrochemical sensors)
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)

Portable Gas Detection

Technical data

Approvals

Marking Explosion protection:	
ATEX	I MI Ex da ia I Ma II IG Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
IECEX	Ex da ia I Ma Ex da ia IIC T4 Ga (usable in Ex-Zone 0)
cCSAus (USA & Canada)	CSA approval: cCSAus Class I, Zone 0, AEx da ia IIC T4/T3 Ga Class I, Div 1, Groups A, B, C, D Class II, Div 1, Gr. E, F, G
EAC	Contact Dräger for availability
Directives	2014/34/EU (ATEX) 2014/53/EU (RED) 2011/65/EU (RoHS)

Manufacturer's warranty

4 years for the device (electronics and housing)	
5 years for the following sensors: XXS CO LC, XXS H ₂ S LC, XXS O ₂ , O ₂ PR. Other sensors: See DrägerSensor® & gas detection device handbook	
3 years for: LEL CatEx SR)	
2 years for the power supply (accumulator)	



Dräger X-am® 3500 Multi-Gas Detector

The Dräger X-am® 3500 was especially designed for clearance measurements. The 1-to-4 gas detector reliably detects flammable gases and vapors as well as O₂, CO, H₂S, NO₂ and SO₂. The innovative signaling design and extensive range of accessories ensure optimum safety and easy handling.

Portable Gas Detection

Dräger X-am® 3500	Order No.
Consists of: device with power supply (Lithium-ion battery), integrated pump, pump adapter, data logger. Ex = CatEx I25 PR, Calibration gas = Methane. Instruction for use included as standard in the following languages: DE, EN, FR, ES, PT, IT, NL, RU, ZH, JA	
Dräger X-am® 3500 Ex, O ₂ ¹ (without charging equipment)	8328412
Dräger X-am® 3500 Ex, O ₂ , H ₂ S LC ¹ (without charging equipment)	8328414
Dräger X-am® 3500 Ex, O ₂ , CO LC ¹ (without charging equipment)	8328416
Dräger X-am® 3500 Ex, O ₂ , CO LC, H ₂ S LC ¹ (without charging equipment)	8328418
Dräger X-am® 3500 Ex, O ₂ , CO LC, H ₂ S LC ¹ Set (with charging equipment)	8328419
Dräger X-am® 3500 Ex, O ₂ , CO LC ¹ , NO ₂ (without charging equipment)	8328422
Dräger X-am® 3500 Ex, O ₂ , H ₂ S LC ¹ , SO ₂ (without charging equipment)	8328424
Instruction for use on request, also available in the following languages (please indicate language when ordering): DA, FI, NO, SV, PL, HR, SL, SK, CS, BG, RO, HU, EL, TR, KO	9033668
Instructions for use on request, also available online in the following languages: LT, LV, ET	Available as download on the product website
Technical handbook available in the following languages: DE, EN, FR, ES, RU	Available as download on the product website

Sensors	Measuring range	Resolution	Order No.
CatEx I25 PR ¹	0–100 % LEL	1 % LEL	6812950
DrägerSensor XXS O ₂ ¹	0–25 vol%	0.1 vol%	6810881
DrägerSensor XXS CO LC ¹	0–2,000 ppm	1 ppm	6813210
DrägerSensor XXS H ₂ S LC ¹	0–200 ppm	0.1 ppm	6811525
DrägerSensor XXS NO ₂	0–50 ppm	0.1 ppm	6810884
DrägerSensor XXS SO ₂	0–100 ppm	0.1 ppm	6810885

¹ A five-year manufacturer's warranty applies to these sensors. Legal rights accruing from defects remain unaffected.

Portable Gas Detection

Power supply unit		
Battery (incl. back housing)	included as standard	8326817
Charging accessories		
Inductive charger for charging 1 device		8325825
Adapter for power plug		8325736
Power plug for charging 1 device		8316997
Power plug 100–240 VAC; 1.33 A, for charging up to 5 devices	requires adapter (8325736)	8321849
Power plug 100–240 VAC; 6.25 A, for charging up to 20 devices	requires adapter (8325736)	8321850
Vehicle connector cable 12/24 V for charging 1 device		4530057
Vehicle connector cable 12/24 V DC for charging up to 5 devices	requires adapter (8325736)	8321855
Vehicle mount	requires adapter for power plug (8325736) and vehicle connector cable 12/24 V DC (8321855)	8327636
Kit vehicle charger	with power supply (8321855), adapter (8325736) and mounting kit (8327636) – w/o inductive power unit	8328283
Pump accessories		
Dust and water filter for pump inlet	included in device when pump option is selected	8319364
Dust and water filter for pump inlet (set of 20)		3705997
Pump adapter	included in device when pump option is selected	8326820
Pump adapter "Nonane"	Required if the measurement performance approval according to EN 60079-29-1 is required for the CatEx for measurement gas "Nonane".	3720225
Probes & hoses		
Telescopic probe 150, stainless steel	connection for filter is included in order no. 8319364 (dust/water filter)	8316533
GP600 probe (plastic), with adapter	connection for filter is included in order no. 8319364 (dust/water filter)	8328667
5 m FKM hose, 3.2 mm, with adapters		8325705
10 m FKM hose, 3.2 mm, with adapters		8325706
20 m FKM hose, 3.2 mm, with adapters		8325707
45 m FKM hose, 3.2 mm, with adapters		8328212
Float probe EPP, incl. 3 m hose, 3.2 mm		8325831
Float probe EPP, incl. 10 m hose, 3.2 mm		8325832
Float probe (transparent), with adapter		8327654

Additional probes, hoses and accessories are available. Please contact us.

Portable Gas Detection

Calibration accessories

Dräger X-am® 3500/8000 calibration adapter	replaced by 3720224	8326821
Dräger X-am® 3500/8000 calibration adapter 2.0		3720224
Dräger X-dock® Module Dräger X-am® 8000	can also be used with X-am® 3500	8321893
Dräger X-dock® Module Dräger X-am® 8000+ charging	can also be used with X-am® 3500	8321894
Dräger X-dock® 5300 (Dräger X-am® 8000) with master	can also be used with X-am® 3500	8321882
Further versions and accessories for the automatic test station Dräger X-dock		Please contact Dräger
Test gases		Please contact Dräger

Accessories for measured value acquisition and configuration

Dräger CC-Vision		Freeware (www.draeger.com/software)
Dräger GasVision License Key		8325646
USB Dira Dongle / IR interface		8317409
Holder for USB Dira Dongle		8325859

Other accessories

Protective rubber boot, removable		8325858
Leather case for the device		8327664
Transport case (empty)		8327661
Protective Display cover (set of three)		8326828
Shoulder strap (complete)		8326823
Retractable lanyard		8323032
Holder for label (on strap)		8326824
Adhesive label for individual inscriptions, for holder on strap, silver (set of 5)		8327645
Adhesive label, blue (set of 5)		8327646
Adhesive label, red (set of 5)		8327647
Adhesive label, green (set of 5)		8327648
Adhesive label, yellow (set of 5)		8327649
Pedestal for holding device upright, e.g. for area monitoring		8325874

Portable Gas Detection

Technical data

Dimensions (H x W x D)	7.0 x 3.0 x 1.7 in (179 x 77 x 42 mm)	
Weight	Approx. 495 g (17.5 ounces), depending on sensor configuration, without strap, without pump Approx. 550 g (19.4 ounces), depending on sensor configuration, without strap, with pump	
Housing	Durable two-component housing	
Display	High-contrast color display	
Temperature	-4°F to 122°F (-20 °C to +50 °C)	
Pressure	700 to 1,300 hPa (measuring function) 800 to 1,100 hPa (use in explosion-hazard areas)	
Relative humidity	10 to 90 % (short-term up to 95 %) r.h.	
Alarms	Visual	3 LED 'red' (gas alarms), 3 LED 'yellow' (device alarms)
	Acoustic	Multi-tone, typically 100dB at 30 cm (12 in)
	Vibration	
Ingress protection class	IP 68	
Energy supply	Lithium-ion battery, rechargeable, inductive charging	
Operating times (Diffusion)	With CatEx and 3 EC sensors	Typically 24 hours
	With 3 EC-sensors	Typically 120 hours
Charging times	Typically 4 hours after use during a shift of max.10 hours	
Start-up times	Typically <60 seconds for standard sensors	
Data storage	24 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing by the second on all 4 channels: approx. 600 hours	
Pump operation	Max. hose length 147.6 feet (45 m)	

Portable Gas Detection

Technical data

Approvals	Marking Explosion Protection:	
	ATEX / IECEx	I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga
	EAC	PO Ex da ia I Ma X OEx da ia IIC T4 Ga X
	cCSAus	Class I, Zone 0, AEx da ia IIC T4 Ga Class II, Div I, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000
	ANZEx	Ex da ia I Ma, Ex da ia IIC T4 Ga
	Measurement Performance:	Explosion protection according ATEX: EN 60079-29-1 (CatEx 125 PR, CatEx 125 PR Gas) CatEx 125 PR: methane, propane, n-nonane, etc. The following applies to the CatEx 125 PR and approved gas "n-nonane": Only in conjunction with pump adapter "Nonan", part number: 3720225
		Oxygen deficiency/excess oxygen: EN 50104 (XXS O ₂)
		Toxic gases: EN 45544-1, EN 45544-2, EN 45544-3 (XXS H ₂ S LC, XXS CO LC)
		Software: EN 50271
	Directives	2014/34/EU (ATEX) 2011/65/EU (RoHS) 2014/90/EU (MED) CE conform
	Marine Approval	DNV GL
Manufacturer's warranty	3 years for the device	
	2 years for the power supply	
	Sensors: see DrägerSensor & Portable Instruments Handbook	



Dräger X-am® 8000 Multi-Gas Detector

Clearance measurement was never this easy and convenient: The 1-to-7 gas detector detects toxic and flammable gases as well as vapors and oxygen all at once – either in pump or diffusion mode. Innovative signaling design and handy assistant functions ensure complete safety throughout the process.

Portable Gas Detection

Dräger X-am® 8000		Order no.
Dräger X-am® 8000 consists of: Device with power supply (Lithium-ion battery), data logger, shoulder strap and charger (optional). A fully functioning device requires up to 5 sensors and an optional integrated pump. (configured part number)		8325800
Instruction for use on request (please indicate when ordering), also available in the following languages: DA, FI, NO, SV, PL, HR, SL, SK, CS, BG, RO, HU, EL, TR, KO		9033656
Instructions for use on request also available in the following languages: LT, LV, ET		9300108 available as download on the website: www.draeger.com/ifu
Technical handbook available in the following languages: DE, EN, FR, ES, RU		9033665 available as download on the website: www.draeger.com/ifu
Selectable device options when ordering	RFID transponder	
	(The charging cradle/power plug can be deselected during the ordering process.)	
Slot 1: PID or LEL-IR/CO ₂ HC	Slot 2: IR or CatEx sensor	Slots 3–5: Electrochemical sensors (XXS format)

Sensors	Measuring range	Resolution	Order No.
Cat-Ex 125 PR ^{1,2}	0–100 % LEL	1 % LEL	6812950
	0–100 vol % CH ₄		
Cat-Ex 125 PR Gas ¹	0–100 % LEL	1 % LEL	6813080
	0–100 vol % CH ₄		
	0–50000 ppm CH ₄ L	10ppm, Detection limit 50ppm	
Dual IR Ex/CO ₂ ES ¹	0–100 % LEL	1 % LEL	6851880
	0–100 vol % Methane, Propane, Ethene, n-Butane	0.1 vol % CH ₄	
	0–5 vol % CO ₂	0.01 vol % CO ₂ or 50 ppm CO ₂	
Dual IR Ex/CO ₂ HC ¹	0–100 % LEL	1 % LEL	6800276
	0–100 vol % Methane, Propane, Ethene, n-Butane	0.1 vol % CH ₄	
	0–100 vol % CO ₂	0.1 vol %	
IR Ex ES ¹	0–100 % LEL	1 % LEL	6851881
	0–100 vol % Methane, Propane, Ethene, n-Butane	0.1 vol % CH ₄	
IR CO ₂ ES	0–5 vol % CO ₂	0.01 vol % CO ₂ or 50 ppm CO ₂	6851882
PID LC ppb (10.6 eV) ³	0.05–10 ppm Isobutene 0–5 ppm Benzene	depending on gas value, starting with 10 ppb	6813500
PID HC (10.6 eV) ³	0–2,000 ppm Isobutene 0–1,000 ppm Benzene	depending on gas value, starting with 0.1 ppm	6813475
XXS O ₂ ²	0–25 vol %	0.1 vol %	6810881

Portable Gas Detection

Sensors	Measuring range	Resolution	Order No.
XXS O ₂ PR ¹	0–30 vol %	0,1 vol %	6800530
XXS O ₂ 100	0–100 vol %	0.5 vol %	6812385
XXS O ₂ /H ₂ S LC	0–25 vol % O ₂ 100 ppm H ₂ S	0.1 vol % 0.1 ppm	6814137
XXS CO LC ²	0–2,000 ppm	1 ppm	6813210
XXS CO HC	0–10,000 ppm	5 ppm	6812010
XXS CO / H ₂ compensated	0–2,000 ppm CO	2 ppm	6811950
XXS H ₂ S LC ²	0–200 ppm	0.1 ppm	6811525
XXS H ₂ S HC	0–1,000 ppm	2 ppm	6812015
XXS CO LC / H ₂ S LC	0–2,000 ppm CO/	1 ppm CO	6813280
	0–100 ppm H ₂ S	0.1 ppm H ₂ S	
XXS CO LC / O ₂	0–2,000 ppm CO/	1 ppm CO	6813275
	0–25 vol %	0.1 vol % O ₂	
XXS NO	0–200 ppm	0.1 ppm	6811545
XXS NO ₂	0–50 ppm	0.1 ppm	6810884
XXS NO ₂ LC	0–50 ppm	0.02 ppm	6812600
XXS SO ₂	0–100 ppm	0.1 ppm	6810885
XXS PH ₃	0–20 ppm	0.01 ppm	6810886
XXS PH ₃ HC	0–2,000 ppm	1 ppm	6812020
XXS HCN	0–50 ppm	0.1 ppm	6810887
XXS HCN PC	0–50 ppm	0.5 ppm	6813165
XXS NH ₃	0–300 ppm	1 ppm	6810888
XXS CO ₂	0–5 vol %	0.1 vol %	6810889
XXS Cl ₂	0–20 ppm	0.05 ppm	6810890
XXS H ₂	0–2,000 ppm	5 ppm	6812370
XXS H ₂ HC	0–4 vol %	0.01 vol %	6812025
XXS OV	0–200 ppm	0.5 ppm	6811530
XXS OV-A	0–200 ppm	1 ppm	6811535
XXS Amine	0–100 ppm	1 ppm	6812545
XXS Odorant	0–40 ppm	0.5 ppm	6812535
XXS COCl ₂	0–10 ppm	0.01 ppm	612005
XXS Ozone	0–10 ppm	0.01 ppm	6811540

HC = High concentration

¹ Special calibrations possible for the Ex sensors (Standard: methane).

² A five-year manufacturer's warranty applies to these sensors. Legal rights accruing from defects remain unaffected.

³ To upgrade an existing instrument with PID, please order also: Spare part set sensor absorber 68 13 767

Portable Gas Detection

Power supply unit

Battery (incl. back housing)	included as standard	8326817
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Charging accessories

Inductive charger for charging 1 device		8325825
Adapter for power plug		8325736
Power plug for charging 1 device		8316997
Power plug 100–240 VAC; 1.33 A, for charging up to 5 devices	requires adapter (8325736)	8321849
Power plug 100–240 VAC; 6.25 A, for charging up to 20 devices	requires adapter (8325736)	8321850
Vehicle connector cable 12/24 V for charging 1 device		4530057
Vehicle connector cable 12/24 V DC for charging up to 5 devices	requires adapter (8325736)	8321855
Vehicle mount	requires adapter for power plug (8325736) and vehicle connector cable 12/24 V DC (8321855)	8327636
Kit vehicle charger	with power supply (8321855), adapter (8325736) and mounting kit (8327636) – w/o inductive power unit	8328283

Pump accessories

Dust and water filter for pump inlet	included in device	8319364
Dust and water filter for pump inlet	(package of 20 filter)	3705997
Pump adapter	included in device	8326820

Accessories for Photoionization Detector (PID)

Pre-tube holder		6813769
Pre-tube benzene (package, 10 tubes)		8103511
Pre-tube humidity (package, 10 tubes)		8103531
Pre-tube activated carbon (package, 10 tubes)		CH24101
Tube opener TO 7000		6401200
Leather case set for photoionization detector, incl. Leather case for the device		8327639
PID lamp cleaning set		8319111

Portable Gas Detection

Probes & hoses

Telescopic probe 150, stainless steel	connection for filter is included in order no. 8319364 (dust/water filter)	8316533
GP600 probe (plastic), with adapter	connection for filter is included in order no. 8319364 (dust/water filter)	8328667
5 m FKM hose, 3.2 mm, with adapters		8325705
10 m FKM hose, 3.2 mm, with adapters		8325706
20 m FKM hose, 3.2 mm, with adapters		8325707
45 m FKM hose, 3.2 mm, with adapters		8328212
Float probe EPP, incl. 3 m hose, 3.2 mm		8325831
Float probe EPP, incl. 10 m hose, 3.2 mm		8325832
Float probe (transparent), with adapter		8327654

Additional probes, hoses and accessories are available. Please contact us.

Calibration accessories

Dräger X-am® 8000 calibration adapter	replaced by 3720224	8326821
Dräger X-am® 8000 calibration adapter 2.0		3720224
Dräger X-dock® Module Dräger X-am® 8000	can also be used with X-am® 3500	8321893
Dräger X-dock® Module Dräger X-am® 8000+ charging	can also be used with X-am® 3500	8321894
Dräger X-dock® 5300 (Dräger X-am® 8000) with master	can also be used with X-am® 3500	8321882
Further versions and accessories for the automatic test station Dräger X-dock		Please contact Dräger
Test gases		Please contact Dräger

Accessories for measured value acquisition and configuration

Dräger CC-Vision		Freeware (www.draeger.com/software)
Dräger GasVision License Key		8325646
USB Dira Dongle / IR interface		8317409
Holder for USB Dira Dongle		8325859

Portable Gas Detection

Calibration accessories

Dräger X-am® 3500/8000 calibration adapter	replaced by 3720224	8326821
Dräger X-am® 3500/8000 calibration adapter 2.0		3720224
Dräger X-dock® Module Dräger X-am® 8000	can also be used with X-am® 3500	8321893
Dräger X-dock® Module Dräger X-am® 8000+ charging	can also be used with X-am® 3500	8321894
Dräger X-dock® 5300 (Dräger X-am® 8000) with master	can also be used with X-am® 3500	8321882
Further versions and accessories for the automatic test station Dräger X-dock		Please contact Dräger
Test gases		Please contact Dräger

Accessories for measured value acquisition and configuration

Dräger CC-Vision		Freeware (www.draeger.com/software)
Dräger GasVision License Key		8325646
USB Dira Dongle / IR interface		8317409
Holder for USB Dira Dongle		8325859

Other accessories

Protective rubber boot, removable		8325858
Leather case for the device		8327664
Transport case (empty)		8327661
Protective Display cover (set of three)		8326828
Shoulder strap (complete)		8326823
Retractable lanyard		8323032
Holder for label (on strap)		8326824
Adhesive label for individual inscriptions, for holder on strap, silver (set of 5)		8327645
Adhesive label, blue (set of 5)		8327646
Adhesive label, red (set of 5)		8327647
Adhesive label, green (set of 5)		8327648
Adhesive label, yellow (set of 5)		8327649
Pedestal for holding device upright, e.g. for area monitoring		8325874

Portable Gas Detection

Technical data		
Dimensions (H x W x D)	7 x 3 x 1.7 in (179 x 77 x 42 mm)	
Weight	Approx. 17.5 oz (495 g), depending on sensor configuration, without strap, without pump Approx. 19 oz (550 g), depending on sensor configuration, without strap, with pump	
Housing	Durable two-component housing	
Display	High-contrast color display	
Temperature	-4 to 122 F (-20 to 50 C)	
Pressure	700 to 1,300 hPa (measuring function) 800 to 1,100 hPa (use in explosion-hazard areas)	
Relative humidity	10 to 90 % (short-term up to 95 %) r.h.	
Alarms	Visual:	3 LED 'red' (gas alarms), 3 LED 'yellow' (device alarms)
	Acoustic	Multi-tone, typically 100 dB at 12 in (30 cm)
	Vibration	
Ingress protection class	IP 68	
Energy supply	Lithium-ion battery, rechargeable, inductive charging	
Operating times (Diffusion)	With CatEx and 3 EC sensors	Typically 24 hours
	With IR and 3 EC sensors	Typically 22 hours
	With 3 EC sensors	Typically 120 hours
	With CatEx, PID and 3 EC sensors	Typically 17 hours
	With IR, PID and 3 EC sensors	Typically 16 hours
	With CatEx-, IR- and 3 EC sensors	Typically 14 hours
	PID only	Typically 42 hours
Charging times	Typically 4 hours after use during a shift of max. 10 hours	
Start-up times	Typically <60 seconds for standard sensors	
Data storage	24 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing by the second on all 7 channels: approx. 400 hours	
Pump operation	Max. hose length 148 ft (45 m)	
Approvals	Marking Explosion Protection:	
	ATEX / >IECEX	I M1, II 1G
		Ex da ia I Ma, Ex da ia IIC T4 Ga
		Class I, Zone 0, AEx da ia IIC T4 Ga
	cCSAus	Class II, Div. 1, Gr. E, F, G C22.2 No. 152, ANSI-ISA 12.13.01:2000
Manufacturer's warranty	3 years for the device	
	2 years for the power supply	
	Sensors: see DrägerSensor® & Portable Instruments Handbook	



Dräger X-pid® 9500/9500+ Multi-Gas Detector

The selective PID gas measurement device is ideal for users who frequently test for hazardous toxic substances. Butadiene, carbonates and other volatile organic compounds (VOCs) are carcinogenic even in the smallest concentrations. Selective measurement is necessary because other gases and vapors are often also present. The gas measurement device allows for short test times and laboratory-quality results.

Portable Gas Detection

Dräger X-pid® 9500/9500+	Order No.
Control unit X-pid® 9500/9500+ 3.0 (CAN/US) (intrinsically safe)	3738482
Sensor unit X-pid® 9500/9500+ (CAN/US)	6850011
Upgrade X-pid® 9500 into X-pid® 9500+	3729699
Dräger X-pid 9500 with sensor unit, power supply, shoulder strap, water and dust filter and gassing adapter with control unit with preinstalled Mobile App, belt clip, power supply and charging cable (configured part number)	3729700
Test gas 58L C4H8/C7H8 / N2 (10 ppm)	3701900
Control valve basic 0.5 LPM; fits to 58 l Test gas cylinder	4557020
Dräger X-pid® 9500/9500+ test gas adapter	6851850
Sampling hose Tygon with inlined PTFE hose Length (3 m); OD: 8 mm; ID: 4.8 mm; WD: 1.6 mm	8326980
Sampling hose Tygon with inlined PTFE hose Length (15 m); OD: 8 mm; ID: 4.8 mm; WD: 1.6 mm	4594679
Sampling hose FKM (solvent resistant) OD: 6.4 mm; ID: 3.2 mm; WD: 1.6 mm	8325837
Dust and water filter with hose adapter	8319364
Filter kit 20 pcs. (3mm and 5mm)	3705997
Telescopic probe 4.5 feet with handle	8316533
Float probe without hose	6802337

The technical specifications refer exclusively to the Dräger X-pid® 9500/9500+ sensor unit.

Dimensions (W x H x D)		132 x 281 x 56 mm (5.2 x 11 x 2.2 in)
Weight		880 g (2 lb)
Ambient conditions in operation	Temperature	-10 to +35 °C (14 to 95 °F)
	Pressure	700 to 1,300 mbar
	Relative humidity	10 % to 95 % RH
Protection class		IP54
Start-up phase		8-10 minutes
		can be increased at low ambient temperatures
Operating times		Typically 8 h, reduces with lower ambient temperatures
Approvals	ATEX	II 1G Ex ia IIC T4 Ga
	IECEX	Ex ia IIC T4 Ga
	cCSAus	Class I, Div.I Group A,B,C & D T4 Class I, Zone 0, A/Ex ia IIC T4 Ga
	CE Marking	RED (Directive 2014/53/EU)
		ATEX (Directive 2014/34/EU)



Dräger X-zone® 5800 Area Monitor

State-of-the-art area monitoring – the Dräger X-zone® 5800 in combination with the Dräger X-am® 5000, 5100 or 5600 gas detection instruments can be used for the measurement of up to six gases. The internal pump and continuous power supply in the explosive area of Zone 0 extend the range of applications in mobile gas detection technology.

Portable Gas Detection

Dräger X-zone® 5800		Order No.
Dräger X-zone® 5800 915 MHz, 24 Ah, pump		8329040
Bump test adapter X-zone 5x00		8323314
Alarm damper		8320110
Socket (elevated stand), 25 cm high (12 in.)		8320645
Set: cover for Dräger X-am® 5100 for X-zone (diffusion only) NOT for outdoor use		8323938
Power Supply ex-approved area		
Power Supply Ex 110 V w/o power cord		8329010
Power cord USA		8329049
Inductive charger with power supply:		
For USA, Japan		8322076
Charging accessories		
Plug-in charger		8320749
Pump accessories		
Float probe with 5 m or 16.4 ft. FKM hose		8318371
Hose set (consisting of water trap, dust and water filter)		8321527
Hose, electronically conductive		1180681
FKM hose, solvent-resistant		1203150
Tygon® hose		8320766
Tygon® is a registered trademark of Saint-Gobain Corporation.		
Communication accessories		
Dräger CC-Vision		www.draeger.com/software
USB DIRA with USB cable		8317409
Gateway		
Dräger ConHub		3729600

Portable Gas Detection

Dräger X-zone® 5800

Dimensions (W x H x D)	490 x 300 x 300 mm 20 x 12 x 12 in.	
Weight	10 kg (22 lbs.) (24 Ah battery)	
Ambient conditions	Temperature: -20 °C - max. +50 °C / -4 °F - max. +122 °F Pressure: 700 to 1,300 hPa Humidity: 10 to 95 % r.h.	
Ingress Protection	IP67	
Alarm	Visual 360° LED (illuminated ring) Audible 360°; >108 dB in a distance of 1 m (3 ft.), 120 dB in a distance of 30 cm (1 ft.) Configurable alarm patterns, frequencies and volumes	
Life signal	Green status display (360°), illuminated ring (LED)	
Operating time	Approx. 120 h (24 Ah battery) Depending on sensor equipment / configuration of the life signal	
Charging time	Approx. 14 h Flexible power supply: External 100 – 240 V charger (worldwide) or inductive wireless charger	
Pump operation	Maximum hose length: 45 m (150 ft.), 30 m (100 ft.) for zone 0	
Alarm output	Potential-free alarm contact for intrinsically safe circuits (6-pole); <20 V to 0.25 A (0.15 A constant current); Resisting load	
Radio transmission	Worldwide license-free ISM frequencies Digital radio, robust and interference-free transmission up to 100 m (328 ft.)	
RF approvals	915 MHz (USA, Canada, Australia),	
Approvals	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4 Ga
	IECEX	Ex ia I Ma Ex ia IIC T4 Ga

Power Supply Ex

Dimensions	14 x 13 x 9.8 in (or 365 x 320 x 250 mm)	
Weight	22 lbs (or 10 kg)	
Protection class	IP 44	
Approvals	ATEX	II (I)G [Ex ia Ga] IIC
	IEC Ex	[Ex ia Ga] IIC
	CSA/US	[Ex ia Ga] IIC [AEx ia Ga] IIC
Temperature range	-4 to 122 F (or -20 to 50 C)	
Cable length	Cable drum -4 to 122 F (or -20 to 50 C) Connection cable fix 0.5 m + Power Cord US	



Dräger X-dock® 5300/6300/6600 Calibration and Bump Testing

The Dräger X-dock® series provides you with full control of your portable Dräger gas detection instruments. Automatic bump tests and calibrations with reduced test gas consumption and short testing times save time and money. Comprehensive documentation and evaluations provide you with a clear overview.

Portable Gas Detection

Dräger X-dock® 5300

Dräger X-dock® 5300 X-am® 8000	X-dock® Master including X-am® 8000 Module and power supply. 3 test gas connections. Limited to one module.	8321882
Dräger X-dock® 5300 X-am® 125	X-dock® Master including X-am® 125 module and power supply. 3 test gas connections. Limited to one module.	8321880
Dräger X-dock® 5300 Pac	X-dock® Master with Pac® module and power supply. 3 test gas connections. Limited to one module.	8321881

Dräger X-dock® 6300/6600

Dräger X-dock® 6300 Master	3 test gas connections. Can be expanded to 10 modules (depending on modules)	8321900
Dräger X-dock® 6600 Master	6 test gas connections. Can be expanded to 10 modules (depending on modules)	8321901

Modular versions

Dräger X-dock® Module X-am® 8000		8321893
Dräger X-dock® Module X-am® 8000 (+)	allows charging of X-am® 8000 devices	8321894
DrägerX-dock® Module X-am® 125		8321890
DrägerX-dock® Module X-am® 125+	allows charging X-am® 125 devices	8321891
DrägerX-dock® Module Pac		8321892

Power supply

24 V/1.3 A plug-in power supply	Up to 3 modules	8321849
24 V/5 A plug-in power supply	Up to 10 modules	8321850
12 V car adapter supply	Up to 5 modules	8321855

GDC Lite Configurator

The Lite Configurator includes a mandatory Core License Lite and optional licenses

Gas Detection Connect Lite	3740516
GDC Lite Core License (mandatory)	3739666
GDC X-dock License Lite	3739668

GDC Standard Configurator

The Standard Configurator includes a mandatory Core License Standard and optional licenses

Gas Detection Connect Standard	3740515
GDC Standard Core License (mandatory)	3739670
GDC X-dock License Standard	3739671
GDC ConHub License	3739672
GDC App License	3739673
GDC Transmitter License	3739674

Portable Gas Detection

Accessories

0.5 bar constant-pressure valve, nickel-plated	Nickel plated valve (most common)	8324250
0.5 bar constant pressure valve, stainless steel	Stainless steel valves are recommended in particular for use with Cl ₂ and PH ₃	8324252
Wall mount, standard		8321922
Wall mount, comfort (adjustable tilt angle)		8321910
Filter for fresh air pump inlet		8319364
Hose FKM 5m	ideally suited to connect test gas cylinders with X-dock	1203150
Hose PTFE 3m		8326980
FKM adapter		8324098
Cylinder holder (table version)		8321918
Cylinder holder for DIN rail/wall mount		8321928

Portable Gas Detection

Dräger X-dock® 5300/6300/6600

	X-dock® Master	X-dock® Module Pac	X-dock® Module X-am® 125	X-dock® Module X-am® 125+	X-dock® Module X-am® 8000	X-dock® Module X-am® 8000+
Weight	Approx. 1,500 g (3.19 lbs)	Approx. 900 g (1.98 lbs)	Approx. 920 g (2 lbs)	Approx. 960 g (2.11 lbs)	Approx. 1,320 g (2.70 lbs)	Approx. 1,400 g (3.19 lbs)
X-dock® Master/Module dimensions	Approx. 120 x 130 x 250 mm (4.7 x 5.11 x 9.84 in)	Approx. 90 x 145 x 250 mm (3.54 x 5.71 x 9.84 in)	Approx. 90 x 145 x 250 mm (3.54 x 5.71 x 9.84 in)	Approx. 90 x 145 x 250 mm (3.54 x 5.71 x 9.84 in)	Approx. 122 x 145 x 250 mm (4.80 x 5.71 x 9.84 in)	Approx. 122 x 145 x 250 mm (4.80 x 5.71 x 9.84 in)

Technical Data

Protection class	IP20
Power supply	110VAC (up to 3 modules) 8321849 110VAC (up to 10 modules) 8321850 12V (vehicle power cord) 8321855
Approvals	CE marking
Ambient conditions	0 °C to 40 °C (32 °F to 140 °F)
Gas connections	
Dräger X-dock® 5300 / 6300	3 test gas inlets for connecting 3 different test gases + one fresh air inlet + one exhaust gas outlet
Dräger X-dock® 6600	6 test gas inlets for connecting 6 different test gases + one fresh air inlet + one exhaust gas outlet
Connections	
USB 2.0	3 USB 2.0 devices
Network connection	Yes



Dräger Pac® 6000 Single-Gas Detector

The disposable personal single-gas detection device, Dräger Pac® 6000, measures CO, H₂S, SO₂ or O₂ reliably and precisely, even in the toughest conditions. The robust design, quick sensor response times, and a powerful battery ensure maximum safety for up to two years with virtually no maintenance required.

Portable Gas Detection

Dräger Pac® 6000

Description	Measuring range	Alarm thresholds A1/A2	Order number
Dräger Pac® 6000 CO	0 – 2,000 ppm	30 / 60 ppm	8326369
Dräger Pac® 6000 H ₂ S	0 – 100 ppm	5 / 10 ppm	8326368
Dräger Pac® 6000 O ₂	0 – 25 Vol.-%	19 / 23 Vol.-%	8327612
Dräger Pac® 6000 SO ₂	0 – 100 ppm	2.0 / 4.0 ppm	8328273
Dräger Pac® 6000	See above	As per customer request	8326340
Pac® 6000 license lifetime extension			3727138

Calibration accessories

	Order No.
Calibration adapter (does not include USB cable) (see P/n 8318587)	8318588
Dräger X-dock® 5300 Pac	8321881
Dräger Bump Test Station for Dräger Pac, without gas cylinder	8317410

Communication accessories

Dräger CC-Vision Basic, available free of charge at www.draeger.com	
Communication module, including USB cable	8318587

Spare parts

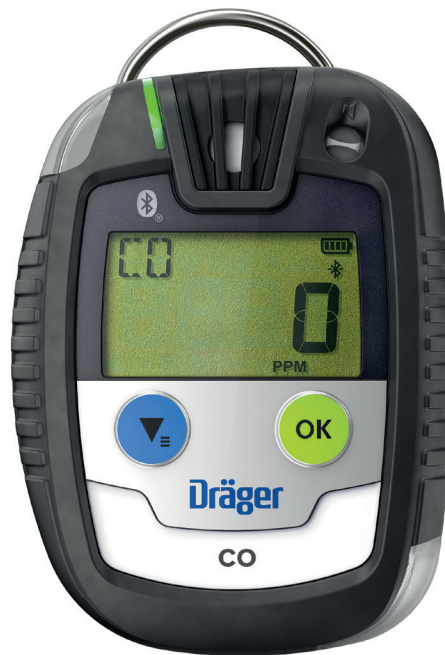
Battery (purple)	8326856
Sensor grid (black)	8326853
Crocodile clip set	8319186

TLV® is a registered trademark of ACGIH®.

Portable Gas Detection

Dräger Pac® 6000

Dimensions (without clip) W x H x D	64 x 84 x 20 mm (2.5 x 3.3 x 0.8 in)	
Weight	Approx. 106 g (113 g with clip) 3.7 g	
Device service life	2 years from first activation. Lifetime extension available.	
Battery service life	2 years (O ₂ : 12 months)	
Degree of protection	IP68	
Air pressure	700 to 1,300 hPa	
Air humidity	10 to 90% relative humidity, non-condensing	
Temperature	-30 °C to +55 °C (-22 °F to 131 °F) (briefly down to -40 °C/F for 1 hr, depending on sensor)	
Approvals	ATEX	I M1 Ex ia I Ma II IG Ex ia IIC T4 Ga
	IECEX	Ex ia I Ma Ex ia IIC T4 Ga
	CSA (Canada & USA)	Class I, Zone 0, AEx ia IIC T4 Ga Class II, Division I, Groups E, F, G
	EAC	PO Ex ia I Ma X 0Ex ia IIC T4 Ga X



Dräger Pac® 6500 Single-Gas Detector

The robust Dräger Pac® 6500 is your reliable companion in tough conditions. The personal single-gas detector quickly and accurately measures CO, H₂S, SO₂ or O₂ levels. The measurement data can be easily transferred via Bluetooth® to the Dräger Gas Detection Connect system. Fast sensor response and a long-lasting battery enhance safety.

Portable Gas Detection

Dräger Pac® 6500

Description	Measuring range	Alarm thresholds A1/A2	Bluetooth	Order number
Dräger Pac® 6500 CO	0 – 2.000 ppm	35 / 50 ppm	VN01548	8326331
Dräger Pac® 6500 H ₂ S	0 – 100 ppm	10 / 15 ppm	VN01549	8326330
Dräger Pac® 6500 O ₂	0 – 25 vol.-%	19.5 / 23.5 Vol.-%	VN01550	8326332
Dräger Pac® 6500 SO ₂	0 – 100 ppm	2.0 / 4.0 ppm	VN01551	8326333
Dräger Pac® 6500	See above	By request		8326341

Calibration accessories

Order No.

Calibration adapter (does not include USB cable) (see P/n 8318587)	8318588
Dräger X-dock® 5300 Pac	8321881
Dräger Bump Test Station for Dräger Pac, without gas cylinder	8317410

Communication accessories

Dräger CC-Vision Basic, available free of charge at www.draeger.com	
Communication module, including USB cable	8318587

Spare parts

Battery (purple)	8326856
Sensor grid (black)	8326853
Crocodile clip set	8319186

TLV® is a registered trademark of ACGIH®.

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

Portable Gas Detection

Dräger Pac® 6500

Dimensions (without crocodile clip) (W x H x D)	2.5 x 3.3 x 0.8 in (64 x 84 x 20 mm)	
Weight	approx. 106 g (113 g with crocodile clip)	
Battery service life	2 years (O ₂ sensors: 10 months)	
Safety rating	IP68	
Atmospheric pressure	700 to 1,300 hPa	
Humidity	10 to 90% relative humidity, non-condensing	
Temperature	-30°C to +55°C (briefly down to -40°C for up to 1 hour, depending on the sensor)	
Certifications	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4 Ga
	IECEX	Ex ia I Ma Ex ia IIC T4 Ga
	CSA (Canada & USA)	Class I, Zone 0, A/Ex ia IIC T4 Ga Class II, Division 1, Groups E, F, G
	EAC	PO Ex ia I Ma X 0Ex ia IIC T4 Ga X



Dräger Pac® 8000 Single-Gas Detector

With the robust Dräger Pac® 8000, you'll be well equipped for tough conditions: this non-disposable, personal single-gas detection device is a reliable and precise instrument, which detects hazardous concentrations of 29 different gases, including special gases like NO₂, O₃ or COCl₂. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®.

Portable Gas Detection

Dräger Pac® 8000

Description	Measuring range	Alarm thresholds A1/A2	Bluetooth	Order number
Dräger Pac® 8000 NO	0 – 50 ppm	25 / 50 ppm	VN01561	8326350
Dräger Pac® 8000 CO ₂	0 – 5 Vol.%	0.5 / 1 Vol.%	VN01557	8326351
Dräger Pac® 8000 Cl ₂	0 – 20 ppm	0.5 / 1 ppm	VN01556	8326352
Dräger Pac® 8000 HCN	0 – 50 ppm	2.5 / 4.5 ppm	VN01559	8326353
Dräger Pac® 8000 NH ₃	0 – 300 ppm	25 / 50 ppm	VN01560	8326354
Dräger Pac® 8000 PH ₃	0 – 20 ppm	0.1 / 0.2 ppm	VN01566	8326355
Dräger Pac® 8000 OV	0 – 200 ppm	10 / 20 ppm	VN01563	8326356
Dräger Pac® 8000 OV-A	0 – 200 ppm	10 / 20 ppm	VN01564	8326357
Dräger Pac® 8000 NO ₂	0 – 50 ppm	5 / 10 ppm	VN01562	8326358
Dräger Pac® 8000 NO ₂ LC	0 – 50 ppm	0.5 / 1.0 ppm	N/A	8328275
Dräger Pac® 8000 Ozone	0 – 10 ppm	0.1 / 0.2 ppm	VN01565	8326359
Dräger Pac® 8000 Phosgene	0 – 10 ppm	0.1 / 0.2 ppm	VN01567	8326360
Dräger Pac® 8000 H ₂	0 – 4.0 Vol.%	0.4 / 0.8 Vol.%	N/A	3729680
Dräger Pac® 8000	See above	As per customer request		8326342

Bluetooth® communication protocol (GATT licence)
for subsequent activation

Dräger Pac® Open GATT licence (1 pc.)

3721647

Calibration accessories

Order No.

Calibration adapter (does not include USB cable) (see P/n 8318587)

8318588

Dräger X-dock® 5300 Pac

8321881

Dräger Bump Test Station for Dräger Pac, without gas cylinder

8317410

Communication accessories

Dräger CC-Vision Basic, available free of charge at www.draeger.com

Communication module, including USB cable

8318587

Spare parts

Battery (purple)

8326856

Sensor grid (black)

8326853

Crocodile clip set

8319186

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Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

Portable Gas Detection

Dräger Pac® 8000

Dimensions (without clip) W x H x D	64 x 84 x 20 mm (2.5 x 3.3 x 0.8 in)	
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)	
Battery service life	~2 years	
Degree of protection	IP68	
Air pressure	700 to 1,300 hPa	
Air humidity	10 to 90% relative humidity, non-condensing	
Temperature	-30 °C to +55 °C (-22 °F to 131 °F) (briefly down to -40 °C/F for 1 hr, depending on sensor)	
Approvals	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4 Ga
	IECEX	Ex ia I Ma Ex ia IIC T4 Ga
	CSA (Canada & USA)	Class I, Zone 0, AEx ia IIC T4 Ga Class II, Division 1, Groups E, F, G
	EAC	PO Ex ia I Ma X 0Ex ia IIC T4 Ga X



Dräger Pac® 8500 Single-Gas Detector

The Dräger Pac® 8500 single-gas detection device is a reliable and precise instrument even under the toughest of conditions. Measured data can easily be transmitted into the Dräger Gas Detection Connect system via Bluetooth®. The device can be equipped with a hydrogen-compensated CO sensor or a Dräger dual sensor. This gives you the option of measuring two gases at once: H₂S/CO, H₂S/O₂, and CO/O₂

Portable Gas Detection

Dräger Pac® 8500

Description	Measuring range	Alarm thresholds A1/A2	Bluetooth	Order number
Dräger Pac® 8500 H ₂ S/CO	0 – 100 ppm H ₂ S 0 – 2,000 ppm CO	10 / 15 ppm H ₂ S 35 / 50 ppm CO	VN01552	8326365
Dräger Pac® 8500 O ₂ /CO	0 – 25 Vol.-% O ₂ 0 – 2,000 ppm CO	19.5 / 23.5 Vol.-% O ₂ 35 / 50 ppm CO	VN01553	8326366
Dräger Pac® 8500 CO-H ₂ CP	0 – 2,000 ppm	35 / 50 ppm	VN01554	8326367
Dräger Pac® 8500 H ₂ S/O ₂	0 – 100 ppm H ₂ S 0 – 25 Vol.-% O ₂	10 / 15 ppm H ₂ S 19.5 / 23.5 Vol.-% O ₂	VN01555	3702251
Dräger Pac® 8500	See above	As per customer request		8326343

Bluetooth® communication protocol (GATT licence) for subsequent activation

Dräger Pac® Open GATT licence (1 pc.) 3721647

Calibration accessories

Order No.

Calibration adapter (does not include USB cable) (see P/n 8318587)	8318588
Dräger X-dock® 5300 Pac	8321881
Dräger Bump Test Station for Dräger Pac, without gas cylinder	8317410

Communication accessories

Dräger CC-Vision Basic, available free of charge at www.draeger.com	
Communication module, including USB cable	8318587

Spare parts

Battery (purple)	8326856
Sensor grid (black)	8326853
Crocodile clip set	8319186

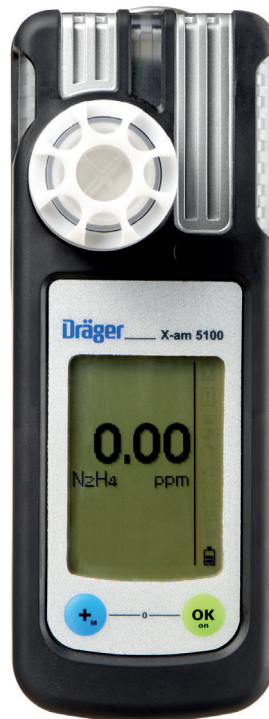
TLV® is a registered trademark of ACGIH®.

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

Portable Gas Detection

Dräger Pac® 8500

Dimensions (without clip) W x H x D	64 x 84 x 20 mm (2.5 x 3.3 x 0.8 in)	
Weight	Approx. 3.7 ounces, 106 g (4.0 ounces, 113 g with clip)	
Battery service life	1 year (dual sensors without O ₂ : 12 months, with O ₂ : 10 months)	
Degree of protection	IP68	
Air pressure	700 to 1,300 hPa	
Air humidity	10 to 90 % relative humidity, non-condensing	
Temperature	-30 °C to +55 °C (briefly down to -40 °C for 1 hr, depending on sensor)	
Approvals	ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4 Ga
	IECEX	Ex ia I Ma Ex ia IIC T4 Ga
	CSA (Canada & USA)	Class I, Zone 0, AEx ia IIC T4 Ga Class II, Division 1, Groups E, F, G
	EAC	PO Ex ia I Ma X 0Ex ia IIC T4 Ga X



Dräger X-am® 5100 Single-Gas Detector

For manufacturing petrochemical products, aseptic packing, or handling of rocket fuel: the Dräger X-am® 5100 portable single-gas detector ensures that you use the safest methods possible for handling HF, HCl, H₂O₂ or hydrazine – thanks to proven Dräger sensor technology and a device design which is perfectly customized to reactive gases.

Portable Gas Detection

Dräger X-am® 5100		Order No.		
Consisting of: basic device with an integrated data logger, manufacturer's certificate and calibration certificate A power pack and sensor are integral elements of a functioning device		8322750		
Description	Measuring range	Resolution	Response time (t ₉₀)	Order No.
DrägerSensor XS EC HF/HCl	0 – 30 ppm	0.1 ppm	60 sec.*	6809140
DrägerSensor XS EC H ₂ O ₂	0 – 20 ppm	0.1 ppm	60 sec.	6809170
DrägerSensor XS EC Hydrazin	0 – 5 ppm	0.01 ppm	180 sec.	6809190
*Response time (t ₅₀)				
Power supply unitsOrder No.				
NiMH power pack T4 2.0		3703887		
Power pack & charging set Consisting of: rechargeable NiMH power supply T4 2.0, charging module and a single charger (for worldwide use)		3703889		
Alkaline power pack T3/T4 (without alkaline batteries)		8322237		
Alkaline batteries T3 (2 pcs.) for alkaline power pack 8 22237 (~180 h operating time)		8322239		
Charging accessories				
Charging module		8318639		
Charging set basic consisting of one charging module and a single power supply (worldwide use)		8320333		
Power plug 100-240 VAC; 6.25 A, for charging up to 20 devices Adapter for power plug 8325736 is need in addition		8321850		
Single charger (worldwide use) for max. 5 charging modules		8316994		
Vehicle charging connecting cable 12 V / 24 V for charging module		4530057		
Vehicle charger mounting kit for a Dräger X-am 1/2/5x00 charging module		8318779		
Charging adapter for charging a rechargeable battery without X-am device		8326101		
Calibration accessories				
Calibration adapter		6806291		
HCl test gas (10 ppm) for sensor 6809140		6812107		
HCl test gas (25 ppm) for sensor 6809140		6812115		
SO ₂ test gas (10 ppm) for sensor 6809170		6810645		
Accessories for measured value data logger and configuration				
Dräger GasVision 7		8325646		
Dräger CC-Vision Basic		free of charge: www.draeger.com/software		
USB DIRA with USB cable, infrared communication adapter to USB		8317409		

Portable Gas Detection

Dräger X-am® 5100	
Type	48 x 130 x 61 mm; 1.89 x 5.12 x 2.4 inches
Weight	220 – 250 g; 7.8 – 8.8 oz.
Ambient Conditions	
Temperature	- 20 to +50 °C; - 4 to +122 °F
Pressure	700 to 1,300 mbar
Humidity	10 to 90 % r.h.
Alarms	
Visual	360°
Audible	Multi-tone > 90 dB at 30 cm; 1 ft.
Vibration	
Ingress Protection	IP54
Operating times	~180 h (alkaline battery), ~150 h (NiMH rechargeable battery), or ~180 h (NiMH high capacity rechargeable battery)
Charging times	< 4 h
Data logger	Application of an optimised data compression method with high accuracy and large storage capacity. (Typically data compression >90 % compared to the traditional data logger concept with adjustable interval)
Approvals	
ATEX	I M1 Ex ia I Ma II 1G Ex ia IIC T4/T3 Ga -20 °C ≤ Ta ≤ +55 /40 °C
IECEx	Ex ia I Ma Ex ia IIC T4/T3 Ga -20 °C ≤ Ta ≤ +55 /40 °C
c CSA us	Class I, Div. 1, Groups A,B,C,D TC T4/T3 Class I, Zone 0, A/Ex ia IIC T4/T3 /Ga
EAC Ex	PO Ex ia I X 0 Ex ia IIC T4/T3 X
CE mark	Electromagnetic compatibility – Directive 2014/30/EU Explosion protection – Directive 2014/34/EU



X-site Live Wireless hazard area monitor

A real-time, scalable monitor. Benefit from up to seven toxic and combustible gas sensors plus radiation and optional aerosol detectors in a convenient, portable case. Remote visibility with unsurpassed communications capability enabled by the FirstNet® broadband network.

Portable Gas Detection

X-site Live	
Connectivity	
Bluetooth®	Low Energy with Near Field Communications (NFC) pairing to smartphone
USB	type C for earphones and maintenance
Application Enabled Features	
	Remote display, access to history and logs
	Reachback/streaming: email, SMS, SpirVIEW Mobile software, RadResponder, ANSI N42.42 files
	Learning section with how-to videos and documentation
Accessories	
Standard	AccuRad PRD, AA alkaline batteries, quick guide, spare clip
	USB C earphones, clip, battery cover
	Radiation safety training modules for law enforcement, fire rescue and other responders
	SpirVIEW Mobile command center software
Standards	
	Designed to meet or exceed ANSI N42.32
	Designed to meet or exceed IEC 62401:2017 (PRD)
Smart LINC Specification	
Talk Time	21 hours
Standby Time	14 days
Battery Type	3,240 mAh non-removable Lithium ion (Liion)
Display	5" FHD, (1920 x1080 pixels), 443 ppi, Dragontrail™ PRO
Operating System	Android™ 9 (Pie)
Chipset	SDM630 Qualcomm® Snapdragon™ processor with 2.2 GHz x 1.8 GHz, Octa Core CPU
Radios	4G LTE CAT9: B1/B2/B3/B4/B5/B7/ B12/B14/B29/ B30/B66 GSM: Quad (2, 3, 5, 8) UMTS: 1, 2, 4, 5
Memory	64GB ROM/4GB RAM microSDXC memory card slot (supports up to 512 GB)
IM Type	Nano/4FF Size
Dimensions	150.2 x 73.4 x 13.5 mm (5.91 x 2.89 x .53 in)
Weight	235 g (8.3 oz)
Media Formats	
Audio	AAC, AAC+, eAAC+, AMR-NB, AMR-WB, FLAC, MP3, MIDI, Vorbis, PCM (WAVE), Opus, QCELP, EVRC
Video	H.263, H.264, H.265, MPEG-4, VP8, VP9 Image: BMP, WBMP, GIF, JPEG, PNG, WEBP

Portable Gas Detection

MultiMeterViewer Specifications

Minimum Operating System Requirements

Operating System	Windows 10 or 11
CPU	Generation 10 i3
Memory	4 GB
Free Space	128 GB SSD (recommended)
Graphics Hardware	Intel UHD Graphics (or equivalent) 1,355 x 768 HD
Sound Hardware	Stereo Speakers

Features

Remote Display of Meter's Faceplate
Comprehensive Map View/Tool (GIS) with Export/Import
Accurate 3D, real-time plume and backtrack tool
Immediate Audible and Visual Alarms
Integrated Live Video Player
Instrument information Web pages
Simultaneous instrument tracking with color concentration gradation
Special support for performing field surveys (live & Historical)
Reading normalization using energy coefficients/correction factors
Dynamic security controlling who gets to see specific data
Asset management and tracking
Secure interface to DNDO for radiological/nuclear emergencies
Mobile versions (iPhone, iPad, Android and Blackberry)

X-site Live Kit Specification

Run time	50 hours
Communication Range	Cellular/Internet – unlimited Wi-Fi, 2.4 GHz – approximately (300 ft (91 M) outdoors)
Case dimensions	21 in x 15.5 in x 7.3 in (534 mm x 394 mm x 186 mm)
Total Kit Weight	22 lbs (10.0 Kg)
Power Input	110 VAC

Portable Gas Detection

Mirion AccuRad™ Specification

Characteristics

Communication Range	Cellular/Internet – unlimited Wi-Fi, 2.4 GHz – approximately (300 ft (91 M) outdoors
Physical	
Weight	7 oz (200 g), including clip
Size	4.25 x 2.4 x 1.4 in. (108 x 61 x 36 mm) without clip
Batteries	Two AA batteries for more than 900 hours of continuous operation Tool-less battery cover

Environment

IP Rating	IP67
Temperature	-4 °F to 140 °F (-20 °C to 60 °C)
	4 ft 9 in (1.5 m) on concrete
Drop	Innovative heavy-duty bi-material construction Replaceable fiber-reinforced clip

User Interface

	Dose or count rate
Modes of Operation	Search with trend or radar 0–9 display indicator
Display	Top display enables hands-free visual alarm assessment
Languages	English, Spanish
Buttons and Navigation	Intuitive to use even without training Comfortable for one-handed operation
Alarming	Vibration Visual LED Audible sound: 85 dB(A) at 30 cm (11.8 in.)

Radiological Performance

Detectors	CsI(Tl) scintillation detector with temperature compensated SiPM for interdiction missions Silicon diode for integrated dose and high dose rate to ensure proper health and safety
Detection Performance	Alarms at 50 μ rem/h (0.5 μ Sv/h) within two seconds VBS: Authenticates true alarms in variable backgrounds Energy range: 25 keV to 3 MeV; detects all radionuclides of concern
Dose Rate	
Range	up to 1,000 rem/h (10 Sv/h) with measurement history
Accuracy	±20 %



Dräger X-am® Pump

The Dräger X-am® Pump is an external pump for the Dräger X-am® 2500, 2800, 5000, 5600, and 5800 multigas monitors. The Pump is designed for clearance measurement, continuous monitoring, and personal use. The Pump automatically switches on when it is connected to an operating X-am® device. The user can easily switch from diffusion to pump mode in less than 60 seconds.

Portable Gas Detection

Dräger X-am® Pump	Order No.
Dräger X-am® Pump incl. USB charger and shoulder strap	8327115
USB power supply (Pn 83 27 108 is required)	8327102
USB 2.0 Cable (Pn 83 27 102 is required)	8327108
Shoulder strap	8319386
Leather case	8327103
Case for Dräger X-am® Pump	8327104
Filter with hose connector (3 mm and 5 mm)	8319364
Telescopic probe ES 150	8316533
Float probe; Clear with connector	8327654
5 m (16 ft) FKM hose (diameter 3 mm)	8325705

Dräger X-am® Pump	
Dimensions	2.6 x 6.8 x 1.5 in (67 x 175 x 38 mm)(without X-am®) 2.6 x 8.6 x 2.2 in (67 x 220 x 55 mm) (with X-am®)
Weight	approx. 7 oz (200 g)
Operating temperature	-4 F to 122 F (briefly -40 F) -20 °C to 50 °C (briefly -40 °C)
Temperature when charging	95 F (0– 35 °C)
Charging time	< 6 hours
Operating time	Up to 20 hours, depending on type of application and temperature
Maximum hose length	147 ft (45 m)
Air flow volume	0.4 L/min
Storage temperature	Up to 1 month -4 F to 140 F (-20 °C to 60 °C) , otherwise -4 F to 113 F (-20 °C to 45 °C)
Pressure	700 to 1,300 hPa
Air humidity	0 to 95 % RH
IP protection class	IP67
Approvals	c_CSA_us ATEX/IECEx (Zone 0 T4 and M1) DNV-GL CE label



Dräger ConHub Gateway

Automated area monitoring gives you maximum safety with a minimal workload. The explosion-proof Dräger ConHub serves as a gateway that automatically connects your Dräger gas detectors from any location to Dräger Gas Detection Connect, our live monitoring solution. This helps you monitor vulnerable areas more closely, so you get the most out of your gas detection system, while also improving safety at your location.

Portable Gas Detection

Dräger ConHub	Order No.
Dräger ConHub incl. 1 rechargeable battery without charger	3729605
ConHub battery replacement or spare	3729610
Battery charger	
Charger set ConHub To recharge the built-in battery	3729611
External charger adapter ConHub Adapter for the ConHub charger to externally charge 1 to 2 batteries	3729653
External connections	
Cable ConHub X-zone® 5m Cable for connecting a ConHub with an X-zone	3729658
Cable ConHub X-zone® 20m Cable for connecting a ConHub with an X-zone	3729657
Transport and fastening	
Stand ConHub Stand for positioning the ConHub at a higher level. Suitable for use in Ex zones	3729650
Wall mount ConHub To mount the ConHub on walls and pipes	3729660
Power supply explosion-protected area	
Power Supply Ex 230 V without cable	8329000
Power Supply Ex 110 V without cable	8329010
EU cable	8329180
UK cable	8325392
AUS cable	8325393
USA cable	8329049
GDC Lite Configurator The Lite Configurator includes a mandatory Core License Lite and optional licenses	
Gas Detection Connect Lite	3740516
GDC Lite Core License (mandatory)	3739666
GDC X-dock License Lite	3739668
GDC Standard Configurator The Standard Configurator includes a mandatory Core License Standard and optional licenses	
Gas Detection Connect Standard	3740515
GDC Standard Core License (mandatory)	3739670
GDC X-dock License Standard	3739671
GDC ConHub License	3739672
GDC App License	3739673
GDC Transmitter License	3739674

Portable Gas Detection

Dräger ConHub		
Dimensions (H x W x D)	347 x 284 x 171 mm (13.7 x 11.2 x 6.7 in)	
Weight	approx. 8 kg (17.6 lb) with a rechargeable battery	
Operating conditions	Temperature: -20 °C - max. +50 °C (-4 °F - max. +122 °F) Pressure: 800-1100 mbar Humidity: max. 95%	
Protection rating	IP65	
Visual alarms	LED strips, LED symbols	
Location Information	• GPS • Manual Location Input	
Operating times	approx. 60 h at 20 °C (68 °F) with a 92Wh rechargeable battery approx. 120 h at 20 °C (68 °F) with two 92Wh rechargeable batteries Permanent use in explosion-protected and non-explosion-protected areas when used with explosion-protected power supply unit	
Charging times	approx. 12 h Flexible power supply: External charger 100 - 240 V (global)	
External cable connection	Modbus connection to X-zone® 5X00 I/O change (not yet available at launch) Passive 4-20mA input (not yet available at launch) Ethernet port to connect to Gas Detection Connect (not yet available at launch)	
External wireless connection	LTE connection to Gas Detection Connect WiFi® connection to Gas Detection Connect Bluetooth® connection to Dräger Pac® (Bluetooth®), Dräger X-am® 2800, Dräger X-am® 5800	
Approvals	EX-Approvals	ATEX: Ex II 2(I)G Ex ib [ia Ga] IIC T4 Gb IECEx: Ex ib [ia Ga] IIC T4 Gb
	EMC RADIO	ETSI EN 301 489-1 (Common requirement) ETSI EN 301 489-3 (Short Range Devices -SRD) ETSI EN 301 489-17 (2.4GHz ISM band) ETSI EN 301 489-19 (RNSS band - GNSS) ETSI EN 301 489-52 (Cellular communication UE)
	LVD	EN 62368-1
	RED	EN 301 908-1 V13.1.1:2019-11(LTE) EN 300 328 V2.2.2:2019-07 (WLAN) EN 300 328 V2.2.2:2019-07 (BLE) EN 303 413 V1.1.1:2017-06 (GNSS)
	NA	cQPSus LR1355-5 Class I Zone 1 AEx ib [ia Ga] IIC T4 Gb Ex ib [ia Ga] IIC T4 Gb

Portable Gas Detection

Power Supply Ex	
Dimensions (H x W x D)	350 x 290 x 175mm (13.8 x 11.4 x 6.9 in)
Weight	10 kg (22 lb)
Protection rating	IP 44
Approvals	ATEX: Ex II (I)G [Ex ia Ga] IIC IECEX: [Ex ia Ga] IIC North America: [Ex ia Ga] IIC [AEx ia Ga] IIC
Temperature	-20 °C to +55 °C (-4 °F – max. +131 °F)
Cable length	Cable drum 50 m (164 ft) Kabelfix 0.5 m connection + power cable EU, UK, US, or AUS 3 m

Portable Gas Detection



Calibration Gases

Calibration of the equipment will ensure its safe operation and functionality and will also comply with applicable regulations and codes for practice. A variety of calibration gases are available.

Portable Gas Detection

Part No.	Gas Mixture	Balance	Liter	PSI	Max. Shelf Life	MatCat
Bump Test Mixtures - Aerosols						
4594633	50% LEL methane	Air	11 L	155	12 months	953
4594632	100 ppm carbon monoxide	Air	11 L	155	12 months	953
4594634	25 ppm hydrogen sulfide, 20.9% oxygen	N ₂	11 L	155	3 months	953
4594635	50% LEL methane, 100 ppm carbon monoxide, 17% oxygen	N ₂	11 L	155	12 months	953
4594636	50% LEL methane, 100 ppm carbon monoxide, 25 ppm hydrogen sulfide, 17% oxygen	N ₂	11 L	155	3 months	953
Calibration Mixtures						
4597170	50% LEL CH ₄ , 5 ppm NO ₂ , 100 ppm CO, 17 Vol. % O ₂	N ₂	116 L	1000	12 months	953
4594956	1.0 Vol. % (25% LEL) hydrogen, 20.9% oxygen	N ₂	103 L	1000	60 months	953
4594629	1.35 Vol.% (50% LEL) ethylene in Air	Air	103 L	1000	60 months	953
4594627	2.0 Vol.% (50% LEL) hydrogen	Air	103 L	1000	60 months	953
3700094	100 ppm isobutylene/100 ppm CO/2.5% (50% LEL) CH ₄ /17.0% O ₂ . Not for use with the X-dock station	N ₂	103 L	1000	60 months	953
4557019	2.5 Vol. % (50% LEL) CH ₄ , 20.9% oxygen	N ₂	103 L	1000	60 months	953
4594574	25% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 17% oxygen	N ₂	58 L	500	24 months	953
4594572	25% LEL CH ₄ , 17% oxygen	N ₂	103 L	1000	60 months	953
3700259	12.5% LEL CH ₄ , 100 ppm CO, 18% O ₂	N ₂	103 L	1000	60 months	953
4597179	25% LEL Pentane in Air	Air	103 L	1000	60 months	953
4510057	50% LEL Pentane, 20.9% O ₂	N ₂	80 L	750	60 months	953
3714863	25% LEL Pentane, 100 ppm CO, 25 ppm H ₂ S, 17% O ₂	N ₂	116 L	1000	24 months	953
4597185	30% LEL C ₅ H ₁₂ , 100 ppm CO, 25 H ₂ S, 17% O ₂	N ₂	58 L	500	24 months	953
4594947	30% LEL pentane, 100 ppm CO, 17% O ₂	N ₂	103 L	1000	60 months	953
4594944	30% LEL pentane, 100 ppm CO, 25 ppm H ₂ S, 20.9% O ₂	N ₂	58 L	500	24 months	953
3728375	50% LEL CH ₄ , 50 ppm CO, 15 ppm H ₂ S, 18% O ₂	N ₂	58 L	500	24 months	953
4594655	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 17% Vol. O ₂ Dräger Standard 4-Gas Cal/Bump Mix	N ₂	58 L	500	24 months	953
4594554	50% LEL CH ₄ , 100 ppm CO, 25 H ₂ S, 10 SO ₂ , 17 Vol. % O ₂ Not for use with the X-dock station.	N ₂	116 L	1000	24 months	953
4543975	50 Vol. % CH ₄	N ₂	58 L	1000	60 months	953
4594548	50% LEL CH ₄ , 100 ppm CO, 10 ppm NO ₂ , 17% O ₂	N ₂	116 L	1000	12 months	953
4594718	50% LEL CH ₄ , 100 ppm CO, 10 ppm H ₂ S, 17% Vol, O ₂	N ₂	58 L	500	24 months	953
4597106	50% LEL CH ₄ , 100 ppm CO, 10 ppm NO ₂ , 17% O ₂	N ₂	58 L	500	12 months	953
4597107	50% LEL CH ₄ , 100 ppm CO, 10 ppm NO ₂ , 17% O ₂ (CGA-660)	N ₂	650 L	1500	12 months	953

Portable Gas Detection

Part No.	Gas Mixture	Balance	Liter	PSI	Max. Shelf Life	MatCat
4594604	50% LEL CH ₄ , 100 ppm CO, 10 ppm SO ₂ , 17% O ₂	N ₂	58 L	500	24 months	953
4594594	50% LEL CH ₄ , 100 ppm CO, 17% O ₂ (CGA-590)	N ₂	552 L	2200	60 months	953
3728374	50% LEL CH ₄ , 100 ppm CO, 18% O ₂	N ₂	103 L	1000	60 months	953
4594596	50% LEL CH ₄ , 100 ppm CO, 17% oxygen	N ₂	103 L	1000	60 months	953
4597120	50% LEL CH ₄ , 100 ppm CO, 2.5% CO ₂ , 17% O ₂	N ₂	103 L	1000	60 months	953
4594945	50% LEL CH ₄ , 100 ppm CO, 20.9% O ₂	N ₂	103 L	1000	60 months	953
4597160	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 2.5% CO ₂ , 17% O ₂	N ₂	116 L	1000	24 months	953
4597162	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 20.9% O ₂	N ₂	116 L	1000	24 months	953
4594639	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 17% O ₂	N ₂	34 L	500	24 months	953
4597161	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 17% O ₂	N ₂	116 L	1000	24 months	953
4594652	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 17% O ₂ (CGA-330)	N ₂	900 L	2000	24 months	953
4597128	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 2.5% CO ₂ , 17% O ₂	N ₂	58 L	500	24 months	953
4594943	50% LEL CH ₄ , 100 ppm CO, 25 ppm H ₂ S, 20.9% Vol. O ₂	N ₂	58 L	500	24 months	953
4597150	50% LEL CH ₄ , 17% O ₂ , 100 ppm CO, 25 ppm H ₂ S, 100 ppm Isobutylene. Not for use with the X-dock station.	N ₂	58 L	500	24 months	953
4594571	50% LEL CH ₄ , 17% O ₂ , 25 ppm H ₂ S, 100 ppm CO, and 10 ppm SO ₂ . Not for use with the X-dock station.	N ₂	58 L	500	24 months	953
3714865	50% LEL CH ₄ , 2.5% CO ₂ , 100 ppm CO, 10 ppm NO ₂ , 17% O ₂	N ₂	34 L	500	12 months	953
4594598	50% LEL CH ₄ , 17% oxygen	N ₂	103 L	1000	60 months	953
4594946	50% LEL CH ₄ , 25 ppm H ₂ S, 17% O ₂	N ₂	58 L	500	24 months	953
4597165	50% LEL CH ₄ , 500 ppm CO, 15 ppm NO ₂ , 15% O ₂	N ₂	58 L	500	12 months	953
4594624	Cyl, Gas Propane 0.75 Vol. % (34% LEL) propane, bal Air 103L @1000 psi	Air	103 L	1000	60 months	953
3715299	50% LEL Propane (1.05%)	Air	103 L	1000	60 months	953
3715297	50% LEL Propane (1.05%), 100 ppm CO, 17% O ₂	N ₂	103 L	1000	60 months	953
3715304	50% LEL Propane (1.05%), 25 ppm H ₂ S, 100 ppm CO, 17% O ₂	N ₂	58 L	500	24 months	953
3716414	25% LEL Propane (0.525%), 100 ppm CO, 17% O ₂	Air	103 L	500	60 months	953
4594730	50% Vol. propane	N ₂	8 L	140	60 months	953
4597144	99.95 Vol. % CH ₄ , methane	N/A	58 L	1000	60 months	953
Part No.	Gas Mixture	MatCat				
Calibration Kits						
4511328	Methane-Zero Air Kit (Consists of multigas calibration gas cylinder; methane, 50% LEL; CO, 100 ppm; H ₂ S, 25 ppm in air; zero air gas cylinder, regulator and 3 ft. tubing)					953
4511330	Methane Kit (Consists of multigas calibration gas cylinder; methane, 50% LEL; CO, 100 ppm; H ₂ S, 25 ppm in 17% O ₂ , balance N ₂ , regulator and 3 ft. tubing)					953
4511329	Pentane Kit (Consists of multigas calibration gas cylinder; pentane, 30% LEL; CO, 100 ppm; H ₂ S, 25 ppm in air; regulator and 3 ft. tubing)					953

Portable Gas Detection

Part No.	Gas Mixture	Balance	Liter	PSI	Max. Shelf Life	MatCat
Single Gas Calibration Cylinders						
4594958	Ammonia Calibration Gas, 150 ppm	N ₂	58 L	500	24 months	953
4597156	Ammonia Calibration Gas, 50 ppm	N ₂	34 L	500	24 months	953
4594957	Ammonia Calibration Gas, 50 ppm	N ₂	58 L	500	24 months	953
3700266	Benzene (C ₆ H ₆) 5 ppm	Air	103 L	1000	60 months	953
3700262	1,3 Butadiene (C ₄ H ₆) 5 ppm	Air	103 L	1000	60 months	953
4595194	Carbon Dioxide Calibration Gas 1000 ppm	Air	103 L	1000	60 months	953
4597080	Carbon Dioxide Calibration Gas 3000 ppm	Air	103 L	1000	60 months	953
4595193	Carbon Dioxide Calibration Gas 2.5 Vol %	Air	103 L	1000	60 months	389
4594611	Carbon Dioxide Calibration Gas 15 Vol %	N ₂	103 L	1000	60 months	953
3715204	Carbon Dioxide Calibration Gas 50 Vol %	N ₂	103 L	1000	60 months	953
4502152	Carbon Monoxide Calibration Gas 25 ppm	N ₂	103 L	1000	60 months	953
4502153	Carbon Monoxide Calibration Gas 50 ppm	N ₂	103 L	1000	60 months	953
4520128	Carbon Monoxide Calibration Gas 100 ppm	N ₂	103 L	1000	60 months	953
4502154	Carbon Monoxide Calibration Gas 250 ppm	N ₂	103 L	1000	60 months	953
4502168	Carbon Monoxide Calibration Gas 1000 ppm	N ₂	103 L	1000	60 months	953
4594644	Carbon Monoxide Calibration Gas 3500 ppm	Air	103 L	1000	60 months	953
4597158 ¹	Chlorine Calibration Gas, 2 ppm Not for use with the X-dock station.	N ₂	34 L	500	9 months	953
4594963 ¹	Chlorine Calibration Gas, 2 ppm Not for use with the X-dock station.	N ₂	58 L	500	9 months	332
4597194 ¹	Chlorine Calibration Gas, 5 ppm	N ₂	34 L	500	9 months	953
4594964 ¹	Chlorine Calibration Gas, 5 ppm	N ₂	58 L	500	9 months	953
4594660	Ethylene Oxide Calibration Gas 10 ppm	N ₂	58 L	500	12 months	953
4594649	Ethylene Calibration Gas 25 ppm	Air	103 L	1000	60 months	953
4594645	Ethylene Calibration Gas 100 ppm	Air	103 L	1000	60 months	953
3728373	Hydrogen Calibration Gas 200 ppm	Air	103 L	1000	60 months	953
4594628	Hydrogen Calibration Gas 500 ppm	Air	103 L	1000	60 months	953
4594603 ²	Hydrogen Chloride Calibration Gas 5 ppm	N ₂	58 L	500	12 months	953
4594658 ²	Hydrogen Chloride Calibration Gas 10 ppm	N ₂	58 L	500	12 months	389
4594626 ²	Hydrogen Chloride Calibration Gas 25 ppm	N ₂	58 L	500	12 months	953
4594570	Hydrogen Cyanide Calibration Gas, 10 ppm	N ₂	34 L	500	18 months	953
4594962	Hydrogen Cyanide Calibration Gas 10 ppm	N ₂	58 L	500	18 months	953
4594960	Hydrogen Sulfide Calibration Gas 10 ppm	N ₂	58 L	500	24 months	953
4502155	Hydrogen Sulfide Calibration Gas 25 ppm	N ₂	58 L	500	24 months	953
4597163	Hydrogen Sulfide Calibration Gas 25 ppm	N ₂	116 L	1000	24 months	953
4597067	Hydrogen Sulfide Calibration Gas 25 ppm (CGA-330)	Air	900 L	2000	24 months	953
4502183	Hydrogen Sulfide Calibration Gas 100 ppm	N ₂	58 L	500	24 months	953
3700261	Isobutylene (C ₄ H ₈) 5 ppm	Air	103 L	1000	60 months	953

Portable Gas Detection

Part No.	Gas Mixture	Balance	Liter	PSI	Max. Shelf Life	MatCat
3701256	Isobutylene (C ₄ H ₈) 100 ppm	Air	103 L	1000	60 months	953
4594648	Mercaptan Calibration Gas 10 ppm	N ₂	58 L	500	12 months	953
4552020	Nitric Oxide Calibration Gas 25 ppm	N ₂	58 L	500	18 months	953
3701899	Nitric Oxide Calibration Gas 25 ppm	N ₂	116 L	1000	18 months	953
4594978	Nitric Oxide Calibration Gas 50 ppm	N ₂	58 L	500	18 months	953
4594838	Nitrogen Calibration Gas 100% Vol.	N ₂	103 L	1000	60 months	389
4594564	Nitrogen Dioxide Calibration Gas 5 ppm	N ₂	58 L	500	12 months	953
4594549	Nitrogen Dioxide Calibration Gas 5 ppm	Air	58 L	500	12 months	953
4594977	Nitrogen Dioxide Calibration Gas 10 ppm	N ₂	58 L	500	12 months	953
3714864	Nitrogen Dioxide Calibration Gas 10 ppm	Air	58 L	500	12 months	953
4594550	Nitrogen Dioxide Calibration Gas 10 ppm	Air	116 L	1000	12 months	953
4597102	Nitrogen Dioxide Calibration Gas 10 ppm (CGA-660)	N ₂	650 L	1500	12 months	953
4594959	Nitrogen Dioxide Calibration Gas 25 ppm	N ₂	58 L	500	12 months	953
3715309	Nitrogen Dioxide Calibration Gas 25 ppm	Air	58 L	500	12 months	953
4594609	Oxygen Calibration Gas 17% Vol.	N ₂	103 L	1000	60 months	953
4597166	Phosphine Calibration Gas, 0.5 ppm	N ₂	34 L	500	18 months	953
4597057	Phosphine Calibration Gas 0.5 ppm	N ₂	58 L	500	18 months	953
4594987	Phosphine Calibration Gas 5.0 ppm	N ₂	58 L	500	18 months	953
6812379	Phosphine Calibration Gas 20 ppm	N ₂	58 L	500	18 months	953
4594961	Sulfur Dioxide Calibration Gas 5 ppm	N ₂	58 L	500	24 months	953
4594551	Sulfur Dioxide Calibration Gas 5 ppm	Air	58 L	500	24 months	953
4597169	Sulfur Dioxide Calibration Gas, 10 ppm	N ₂	34 L	500	24 months	953
4597050	Sulfur Dioxide Calibration Gas 10 ppm	N ₂	58 L	500	24 months	953
4597049	Sulfur Dioxide Calibration Gas 35 ppm	N ₂	58 L	500	24 months	953
4594552	Tetrahydrothiophene (THT) Calibration Gas 10 ppm	Air	58 L	500	12 months	953
4510058	Zero Air Calibration Gas 20.9% Vol. O ₂	N ₂	103 L	1000	60 months	332
Dual Gas Calibration Cylinders						
3701900	Isobutylene 10 ppm, Toluene 10 ppm for X-pid®	N ₂	58 L	500	12 months	953
4594599	SO ₂ 10 ppm, CO 200 ppm, 17 Vol % O ₂	N ₂	58 L	500	24 months	953
Calibration Gas Mixtures – Use CGA 600 Regulator (PN: 4593987)						
4594980	Calibration Gas Carbon Monoxide 50 ppm	Air	34 L	500	60 months	953
4594607	40% LEL hexane	Air	17L	240	60 months	953
4594982	Calibration Gas Nitrogen 100% Vol.	---	34 L	500	60 months	953
4594843	Calibration Gas Methane 50% LEL in Air	Air	34 L	500	60 months	953
4594625	Calibration Gas Methane 40% Vol. in N ₂	N ₂	34 L	500	60 months	953
4594656	Calibration Gas CO 100ppm, CH ₄ 50%LEL, O ₂ 20.9%	N ₂	34 L	500	60 months	953

1. Requires Stainless-steel regulator and Teflon-lined Tygon tubing
2. Requires Stainless-Steel regulator and FKM hose as short as possible

Portable Gas Detection

Part No.	Description	MatCat
Regulators for Gas Cylinders		
4557020	500cc Standard Regulator 5/8"-18 UNF	953
6813104	500cc Regulator, Stainless Steel, 5/8"-18 UNF	953
4594952	500cc Reactive gas resistant, 5/8"-18 UNF (recommended for NH ₃ calibration)	953
4594640	500cc Trigger Regulator 5/8" - 18 UNF for both Bump Testing and Calibration option to 4557020	953
4594641	Demand Flow Regulator 5/8" - 18 UNF For use with Pump units	389
4593987	500cc Regulator, 17/34 L Cylinders, CGA-600	953
4594589	500cc Regulator, 650/900 L Cylinders, CGA-330	953
4594590	500cc Regulator, 650/900 L Cylinders, CGA-590	953
4594654	Demand Flow Reg for 65AL, 650 L Cylinder, CGA-330	953
4594659	Demand Flow Reg for 5E, 552 L Cylinder, CGA-590	953
4594595	Demand Flow Reg for 65AL, 650/900 L Cylinder, CGA-660	953
4594560	X-dock/Bump Station CGA Adapter for Large Cylinder Use, CGA-330	953
4594561	X-dock/Bump Station CGA Adapter for Large Cylinder Use, CGA-590	953
4594562	X-dock/Bump Station CGA Adapter for Large Cylinder Use, CGA-660	953
Accessories		
6806291	Calibration Adapter, X-am 5100 (includes 3 feet of tubing)	332
6811182	Puncher tool f. 2AL, 8AL + 6D cylinders	953
8317656	Calibration Adapter, X-am 7000	332
8318588	Calibration Adapter, Pac x000 Series	332
8318752	Calibration/PC Communication Cradle w/o USB-IR Interface for X-am 125	332
8321918	Cylinder holder (table version)	332
8326821	Calibration Adapter, X-am 35/8000	332
Cases for Calibration Cylinders		
4511332	Plastic Carrying Case (holds two gas cylinders)	953

Dräger-Tubes® and MicroTubes

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Pump for Gas Detection Tubes

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Test Kits

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Dräger Compressed Air and Air Flow Kits

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Dräger-Tubes® and MicroTubes



Safety to go.

Many hazards in the workplace cannot be detected by human senses: some toxic gases, oxygen deficiency, some combustible gases and vapors. These hazards pose a serious threat to human life and plant safety in many industries. When it comes to the reliable detection of known and unknown gases, you can rely on portable gas detection technology from Dräger. Our extensive product range offers you the perfect solution for every application.

The development of our Dräger-Tubes® more than eighty years ago laid the cornerstone for accurate gas detection. Today, thanks to continuous research and development, we now offer more than 250 Dräger-Tubes® able to detect over 500 substances. Combined with the Dräger X-act® 7000 system, an electronic form of the tube, Dräger provides you with some of the most accurate and reliable means available for spot concentration measurements in the parts per billion range.

Dräger Tubes Measurement-System

Dräger-Tubes®.

Each order number refers to one box of tubes. Usually one box contains ten tubes. In other cases the number in brackets behind the name of the tube indicates the measurements per box. For the Dräger-Tubes® the standard measuring range is mentioned. For a possible measuring range extension, please have a look into the instruction for use. The indicated measurement time relates regarding the Tubes for short term measurements to the stated numbers of strokes for the particular tube. If the measurement time is less than 1 Minute, it will be stated with the abbreviation "s" in seconds.



Dräger-Tubes® Measurement System Short-Term Dräger Tubes®

Dräger-Tubes® are an easy to use and cost effective way to measure toxic gases and vapors in the workplace. More than 200 different Dräger-Tubes® are available to accurately make spot measurements for over 500 gases and vapors.

Dräger-Tubes® and MicroTubes

Disclaimer

Dräger-Tubes® are used in conjunction with either a manual or automatic sampling pump using individual Dräger-Tubes® or special 5 tube sets for simultaneous measurement. Dräger Pumps and short-term Dräger-Tubes® are not interchangeable with other manufacturers' pumps and detector tubes.

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Acetaldehyde 100/a	100 - 1000 ppm	5	6726665
Acetic Acid 5/a	5 - 80 ppm	30sec	6722101
Acetone 40/a (5)	40 - 800 ppm	1	8103381
Acetone 100/b	100 - 12,000 ppm	4	CH22901
Acid Test	qualitative	3 sec	8101121
Acrylonitrile 0.2/a	0.2 - 4 ppm	4	8103701
Activation tube for use in conjunction with Formaldehyde 0.2/a tube			8101141
Amine-Test	qualitative	5 sec	8101061
Ammonia 0.25/a	0.25 - 3 ppm	1	8101711
Ammonia 2/a	2 - 30 ppm	1	6733231
Ammonia 5/a	5 - 70 ppm 50 - 600 ppm	6 sec	CH20501
Ammonia 5/b	5 - 100 ppm	10 sec	8101941
Ammonia 0.5%/a	0.5 - 10 -%	20 sec	CH31901
Aniline 0.5/a	0.5 - 10 ppm	4	6733171
Arsine 0.05/a	0.05 - 3 ppm	6	CH25001
Benzene 0.25/a	0.25 - 2 ppm 2 - 10 ppm	5 1	8103691
Benzene 2/a (5)	2 - 60 ppm	8	8101231
Benzene 5/a	5 - 40 ppm	3	6718801
Benzene 5/b	5 - 50 ppm	8	6728071
Benzene 15/a	15 - -420 ppm	4	8101741
BTX (Toluene 5/b)	50 - 300 ppm 5 - 80 ppm	1 5	8101661
n-Butanol 10/a	10 - 250 ppm 250 - 2000 ppm	6 1	8103861
Carbon Dioxide 100/a	100 - 3,000 ppm	4	8101811
Carbon Dioxide 0.1%/a	0.5 - 6 Vol.-% 0.5 - 6 Vol.-%	30 sec	CH23501

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Carbon Dioxide 0.5%/a	0.5 - 10 Vol.-%	30 sec	CH31401
Carbon Dioxide 1%/a	1 - 20 Vol.-%	30 sec	CH25101
Carbon Dioxide 5%/A	5 - 60 Vol.-%	2	CH20301
Carbon Disulphide 3/a	3 - 95 ppm	2	8101891 ²
Carbon Disulphide 5/a	5 - 60 ppm	3	6728351
Carbon Disulphide 30/a	0.1 - 10 mg/L	1	CH23201
Carbon Monoxide 2/a	2 - 60 ppm	4	6733051
Carbon Monoxide 5/c	100 - 700 ppm 5 - 150 ppm	30 sec 2.5	CH25601
Carbon Monoxide 8/a	8 - 150 ppm	2	CH19701
Carbon Monoxide 10/b	100 - 3,000 ppm 10 - 300 ppm	20 sec 4	CH20601
Carbon Monoxide 0.3%/b	0.3 - 7 Vol.-%	30 sec	CH29901 ²
Carbon Tetrachloride 0.1/a	0.1 - 5 ppm	2.5	8103501
Carbon Tetrachloride 1/a	1 - 15 ppm 10 - 50 ppm	6 3	8101021
Chlorine 0.2/a	0.2 - 3 ppm 3 - 30 ppm	3 20 sec	CH24301
Chlorine 50/a	50 - 500 ppm	20 sec	CH20701
Chlorine Dioxide 0.025/a specific	0.025 - 0,1 ppm 0.1 - 1 ppm	7.5 2.5	8103491
Chlorobenzene 5/a (5)	5 - 200 ppm	3	6728761
Chloroform 2/b (5)	20 - 80 ppm	3	6728861 ²
Chloroformates 0.2/b	0.2 - 10 ppm	3	6718601
Chloromethane 10/a	10-100 ppm	1.5	8103911
Chloroprene 5/a	5 - 60 ppm	3	6718901
Chloropicrine 0.1/a	0.1 - 2 ppm	7.5	8103421
Chromic Acid 0.1/a (9)	0.1 - 0.5 mg/m ³	8	6728681
Cyanide 2/a	2 - 15 mg/m ³	2	6728791 ²
Cyanogen Chloride 0.25/a	0.25 - 5 ppm	5	CH19801
Cyclohexane 40/a	40 - 200 ppm 500 - 3000 ppm	75 sec 15 sec	8103671
Cyclohexylamine 2/a	2 - 30 ppm	4	6728931
Diethyl Ether 100/a	100 - 4000 ppm	2.5	6730501
Dimethyl Formamide 10/b	10 - 40 ppm	3	6718501

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Dimethyl Sulphide 1/a (5)	1 - 15 ppm	15	6728451
Epichlorhydrin 5/b	5 - 80 ppm	8	6728111
Ethanol 100/a	100 - 3000 ppm	1.5	8103761
Ethyl Acetate 200/a	200 - 3,000 ppm	5	CH20201
Ethyl Benzene 30/a	30 - 400 ppm	2	6728381
Ethylene 0.1/a (5)	0.2 - 5 ppm	30	8101331
Ethylene 50/a	50 - 2,500 ppm	6	6728051
Ethylene Glycol 10 (5)	10 - 180 mg/m ³	7	8101351
Ethylene Oxide 1/a (5)	1 - 15 ppm	8	6728961
Ethylene Oxide 25/a	25 - 500 ppm	6	6728241
Ethyl Glycol Acetate 50/b	50 - 700 ppm	3	6726801
Fluorine 0.1/a	0.1 - 2 ppm	5	8101491
Formaldehyde 0.2/a	0.2 - 2.5 ppm 0.5 - 5 ppm	1.5	6733081
Activation Tube for use in conjunction with Formaldehyde 0.2/a	0.04 to 1.25 ppm		8101141
Formaldehyde 2/a	2 - 40 ppm	30 sec	8101751
Formic Acid 1/a	1 - 15 ppm	3	6722701
Hexane 10/a	10 - 200 ppm 300 - 2,500 ppm	5 1	8103681
Hydrazine 0.01/a	0.01 - 0.4 ppm 0.5 - 0.6 ppm	20 1	8103351
Hydrazine 0.25/a	0.25 - 10 ppm 0.1 - 5 ppm	1 2	CH31801
Hydrocarbon 2/a	2 - 24 mg/L	5	8103581
Hydrocarbon 0.1%/c	0.1 - 1.3 Vol.-%	2	8103571
Hydrochloric Acid 0.2/a	0.2 - 3 ppm 3 - 20 ppm	2 40 sec	8103481
Hydrochloric Acid 1/a	1 - 10 ppm	2	CH29501
Hydrochloric Acid 50/a	500 - 5,000 ppm 50 - 500 ppm	30 sec 4	6728181
Hydrochloric Acid /Nitric Acid 1/a			8101681

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Hydrocyanic Acid 0.5/a	0.5 - 5 ppm 5 - 50 ppm	30 sec 0,5	8103601
Hydrogen 0.2%/a	0.2 - 2.0 Vol.-%	1	8101511
Hydrogen 0.5%/a	0.5 - 3.0 Vol.-%	1	CH30901
Hydrogen Fluoride 0.5/a	0.5 - 15 ppm 0.5 - 15 ppm	2 25 sec	8103251
Hydrogen Fluoride 1.5/b	1.5 - 15 ppm	2	CH30301
Hydrogen Peroxide 0.1/a	0.1 - 3 ppm	3	8101041
Hydrogen Sulphide 0.2/a	0.2 - 5 ppm	5	8101461
Hydrogen Sulphide 0.2/b	0.2 - 6 ppm	55 sec	8101991
Hydrogen Sulphide 0.5/a	0.5 - 15 ppm	6	6728041
Hydrogen Sulphide 1/c	10 - 200 ppm 1 - 20 ppm	20 sec 3	6719001
Hydrogen Sulphide 1/d	10 - 200 ppm 1 - 20 ppm	1 10	8101831
Hydrogen Sulphide 2/a	20 - 200 ppm 2 - 20 ppm	20 sec 3.5	6728821
Hydrogen Sulphide 2/b	2 - 60 ppm	30 sec	8101961
Hydrogen Sulphide 5/b	5 - 60 ppm	4	CH29801
Hydrogen Sulphide 100/a	100 - 2,000 ppm	30 sec	CH29101
Hydrogen Sulphide 0.2%/A	0.2 - 7 Vol.-%	2	CH28101
Hydrogen Sulphide 2%/a	2 - 40 Vol.-%	1	8101211
Simultan. Tube H ₂ S + SO ₂ 0.2%/a	0.2 - 7 Vol.-%	2	CH28201
Iodine 0.1/a	1 - 5 ppm 0.1 - 0.6 ppm	1 5	8103521
i-Propanol 50/a	50 - 4000 ppm	2.5	8103741
Mercaptan 0.1/a	0.1 - 2.5 ppm 3 - 15 ppm	3 40 sec	8103281
Mercaptan 0.5/a	0.5 - 5 ppm	5	6728981
Mercaptan 20/a	20 - 100 ppm	2.5	8101871
Mercury Vapour 0.1/b	0.05 - 2 mg/m ³	10	CH23101
Methanol 20/a	20 - 250 ppm 200 - 5000 ppm	6 2	8103801
Methyl Acrylate 5/a 5	5 - 200 ppm	5	6728161
Methyl Bromide 0.1/a	0.1 - 5 ppm 5 - 50 ppm	8 4	3706301

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Methylene Chloride 20/a	20 ppm	7	8103591 ²
Natural Gas Test (5)	qualitative	100 sec	CH20001 ²
Nickel Tetracarbonyl 0.1/a (9)	0.1 - 1 ppm	5	CH19501
Nitric Acid 1/a	5 - 50 ppm	2	6728311
	1 - 15 ppm	4	
Nitrogen Dioxide 0.1/a	0,1 - 5 ppm	75 sec	8103631
	5 - 30 ppm	15 sec	
Nitrogen Dioxide 2/c	5 - 100 ppm	1	6719101
	2 - 50 ppm	2	
Nitrous Fumes 0.2/a	0,2 - 6 ppm	75 sec	8103661
Nitrous Fumes 2/a	5 - 100 ppm	1	CH31001
	2 - 50 ppm	2	
Nitrous Fumes 20/b	20 - 500 ppm	30 sec	3706171
Nitrous Fumes 50/b	50 - 1,000 ppm	40 sec	8103941
	500 - 4,000 ppm	80 sec	
Oil 10/a-P	0.1 - 1 mg/m ³	25	6728371
Oil Mist 1/a	1 - 10 mg/m ³	25	6733031
Olefine 0.05%/a	- Propylene	0.06 - 3.2 Vol.-%	20 to 1
	- Butylene	0.04 - 2.4 Vol.-%	20 to 1
Organ. Arsenic Compounds and Arsine	0.3 mg/m ³ as AsH ₃	3	CH26303
Organic Basic Nitrogen Compounds	1 mg/m ³	1.5	CH25903
Oxygen 5%/B (8)	5 - 23 Vol.-%	1	6728081
Oxygen 5%/C	5 - 23 Vol.-%	1	8103261
Ozone 0.05/b	0.05 - 0.7 ppm	3	6733181
Ozone 10/a	20 - 300 ppm	20 sec	CH21001
Pentane 100/a	100 - 1,500 ppm	15 sec	6724701
Perchloroethylene 0.1/a	0.5 - 4 ppm	3	8101551
	0.1 - 1 ppm	9	
Perchloroethylene 2/a	20 - 300 ppm	30 sec	8101501
	2 - 40 ppm	3	
Petroleum Hydrocarbons 10/a	10 - 300 ppm	1	8101691

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Petroleum Hydrocarbons 100/a	100 - 2,500 ppm	30 sec	6730201
Phenol 1/b	1 - 20 ppm	5	8101641
Phosgene 0.02/a	0.02 - 1 ppm	6	8101521
	0.02 - 0.6 ppm	12	
Phosgene 0.25/c	0.25 - 5 ppm	5	CH28301
Phosphine 0.01/a	0.1 - 1 ppm	2.5	8101611
	0.01 - 0.3 ppm	8	
Phosphine 0.1/c	0.5 - 3 ppm	1	8103711
	0.1 - 1.0 ppm	2.5	
Phosphine 0.1/b, Acetylene	1 - 15 ppm	20 sec	8103341
	0.1 - 1 ppm	4	
Phosphine 1/a	10 - 100 ppm	2	8101801
	1 - 20 ppm	10	
Phosphine 25/A	200 - 10,000 ppm	1.5	8101621
	25 - 900 ppm	13	
Phosphine 50/a	50 - 1,000 ppm	2	CH21201
Phosphoric Acid Ester 0.05/a	0.05 ppm	5	6728461
Polytest	qualitative	1.5	CH28401
Pyridine 5/A	5 ppm	20	6728651
Styrene 10/a	10 - 200 ppm	3	6723301
Styrene 10/b	10 - 250 ppm	3	6733141
Sulphur Dioxide 0.1/a	0.1 - 3 ppm	20	6727101
Sulphur Dioxide 0.5/a	1 - 25 ppm	3	6728491
	0.5 - 5 ppm	6	
Sulphur Dioxide 1/a	1 - 25 ppm	3	CH31701
Sulphur Dioxide 20/a	20 - 200 ppm	3	CH24201
Sulphur Dioxide 50/b	400 - 8,000 ppm	15 sec	8101531
Sulphuric Acid 1/a (9)	1 - 5 mg/m ³	100	6728781
	1 - 10 mg/m ³	5	
Tertiary Butylmercaptan (for Natural Gas Odorization)	3 - 15 mg/m ³	3	8103071
	1 - 10 mg/m ³	5	

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement (20 °C, 1013 hPa)	Measurement Time (sec or min)	Order No.
Tetrahydrothiophene 1/b (5)	1 - 10 ppm 4 - 40 mg/m ³	10	8101341
Thioether	1 mg/m ³	1.5	CH25803
Toluene 5/b	50 - 300 ppm 5 - 80 ppm	2 10	8101661
Toluene 50/a	50 - 400 ppm	1.5	8101701
Toluene 100/a	100 - 1,800 ppm	1.5	8101731
Toluene Diisocyanate 0.02/A (9)	0.02 - 0.2 ppm	20	6724501
Trichloroethane 50/d (5)	50 - 600 ppm	2	CH21101
Trichloroethylene 2/a	20 - 250 ppm 2 - 50 ppm	1.5 2.5	6728541
Trichloroethylene 50/a	50 - 500 ppm	1.5	8101881
Triethylamine 5/a	5 - 60 ppm	3	6718401
Vinyl Chloride 0.5/b	5 - 30 ppm 0.5 - 5 ppm	30 sec 3	8101721
Vinyl Chloride 100/a	100 - 3,000 ppm	4	CH19601
Water Vapour 0.1	1 - 40 mg/L	2	CH23401
Water Vapour 0.1/a	0.1 - 1.0 mg/L	1.5	8101321
Water Vapour 3/a	3.0 - -60 lbs/mmcf	90 sec	8103031
Water Vapour 1/b	20 - 40 mg/L 1 - 8 mg/L	20 sec 40 sec	8101781
Xylene 10/a	10 - 400 ppm	1	6733161

² Tubes with 6 to 12 months shelf life



Dräger Diffusion Tubes

Gas Detection Tubes

The Dräger Diffusion Tubes are direct reading systems used for the determination of time weighted average concentrations over the duration of one to eight hours.

Dräger-Tubes® and MicroTubes

Dräger-Tube® Description	Standard range of measurement for 1 h (20 °C, 1013 hPa)	Packaging unit/type	Order No.
Ammonia 20/a-D	20 - 1500 ppm*hours 2.5 - 200 ppm for 8 hours	10/pkg	8101301
Holder for Diffusion Tube		3/pkg	6733014



Dräger accuro Pump for Gas Detection Tubes

Fast measurement with one hand: The Dräger-Tube® pump accuro allows you to use the established Dräger-Tubes® to take measurements under extreme conditions. The easy-to-use Dräger-Tubes® have already been calibrated and form a perfect unit with the Dräger-Tube® pump.

Dräger-Tubes® and MicroTubes

Dräger accuro		Order No.
Dräger accuro	Gas detector pump Dräger accuro and tube opener Dräger TO 7000	6400000
Soft-Side accuro kit	accuro pump, tube opener, spare parts, allen tool, and nylon case	8317186
Hard-Side accuro kit	accuro pump, tube opener, spare parts, allen tool, rubber caps and molded case	4056443
Spare parts kit for Dräger accuro	6 x valve disc, 1 x window, 3 x membrane, 1 x insert and 1 x grommet	6400220
Extension hose 1 m	Incl. adapter for Simultaneous Test Set	6400561
Extension hose 3 m	Incl. adapter for tubes and adapter for hose in a carrying box	6400077
Extension hose 10 m	Incl. adapter for tubes and adapter for hose	6400078
Extension hose 15 m	Incl. adapter for tubes and adapter for hose	6400079
Tube opener Dräger TO 7000	Tool to remove tube tips	6401200
Adapter for Dräger simultaneous test set	Incl. cutting holder and adapter	6400090
Extension hose 30 m	*Contact product manager	8325839
Hot Air Probe	Stack gas measurements up to 650 °C	CH00213
Caps for tubes		CH16631
Transport case	Molded plastic case with foam insert	4056442
Bar probe 400	Examination of fumigants in containers	8317188

Additional accessories upon request.

Dräger accuro		
Dimensions (W x H x D)	170 x 45 x 85 mm (6.7 x 1.8 x 3.3 in)	
Stroke volume	100 ±5 cm ³	
Weight	250 g 8.8 oz	
Ambient conditions	Temperature: -20 °C to +50 °C (-4 °F to +122 °F) Relative humidity: 0 – 95 % non-condensing	
Approvals	CE-certified (EN 0158)	64 00 561
		I M1
		II 1GD
	ATEX	IIB 85°C T6 II 2G
		IIC T6
		-20 °C ≤ Ta ≤ +50 °C
	DIN EN ISO	17621

Dräger-Tubes® and MicroTubes



Dräger HazMat Simultest Kit

The Dräger HazMat Simultest Kit is designed to quickly determine the presence of inorganic and organic gases and vapors. The Simultaneous Test Sets I, II & III consist of five tube sets to detect toxic substances generated from burning combustible materials, flammable liquids or flammable gases and substances evolving from a chemical leak or spill.

Dräger-Tubes® and MicroTubes

HazMat Simultest Kit	Order No.
HazMat Simultest Kit, complete	4056098
HazMat Simultest Carrying Case with foam inserts only	4056458
Case HazMat simultest, incl. foam set with labels	8103578

HazMat Simultest Kit

Includes: accuro® bellows pump with individual tube opener, spare parts, Simultaneous Set I (3 each), Simultaneous Set II (3 each), and Simultaneous Set III (4 each), simultaneous test set opener, 1-meter extension hose with 5-tube adapter, air current kit and laminated instruction cards with full color graphics.

A rugged Pelican carrying case protects the kits contents

Test set information

Simultaneous Test Set I Detects acid gases (e.g. hydrochloric acid, nitric acid), hydrocyanic acid, carbon monoxide, basic type gases (e.g. ammonia, butylamine) and nitrous gases (NO & NO₂)

8101735

Simultaneous Test Set II

Detects sulfur dioxide, chlorine, hydrogen sulfide, carbon dioxide and phosgene.

8101736

Simultaneous Test Set III

Detects organics: ketones (e.g. acetone, MEK), aromatics (e.g. benzene, toluene), alcohols (e.g. methanol, ethanol), aliphatic hydrocarbons (e.g. n-hexane, n-octane) and chlorinated hydrocarbons (e.g. perchloroethylene, trichloroethylene)

8101770

Space is provided in the kit for 6 additional boxes of standard Dräger-Tubes®. Dräger provides over 250 different chemical specific short term tubes for detection of over 1,000 chemicals.



Dräger Civil Defense Simultest without Tube Sets

The Dräger CDS sets use specialized Dräger-Tubes® to quickly and reliably detect the presence of nerve, blister, blood and choking agents.

Dräger-Tubes® and MicroTubes

Civil Defense Simultest Kit	Order No.
Civil Defense Simultest Kit <u>without</u> tube sets	4523131

Civil Defense Simultest Kit

Includes: rigid case with a die cut foam set and labels, two accuro pumps, two 1-meter extension hoses with the 5-tube manifold and one spare parts set

A rugged Pelican carrying case protects the kits contents.

Test Set Information - CDS sets are ordered and delivered separately.

CDS Simultaneous Set I detects

Thioether (S-Mustard)

Phosgene

Hydrocyanic Acid

8103140

Organic Arsenic Compounds & Arsine (Lewisite)

Organic Basic Nitrogen Compounds (N-Mustard)

CDS Simultaneous Set V detects

Cyanogen Chloride

Thioether (S-Mustard)

Phosgene

Chlorine

Phosphoric Acid Esters (Nerve agents e.g. GA, GB, GD)

8103200

Space is provided in the kit for 6 additional boxes of standard Dräger-Tubes®. Dräger provides over 250 different chemical specific short term tubes for detection of over 1,000 chemicals.

Accessories

Extension hose 1 m

Incl. adapter for Simultaneous Test Set

6400561

Tube Opener Dräger TO 7000

Tool to remove tube tips

6401200

Case with inserts for CDS

No pumps or accessories

8103580

CDS Training Set I

Set to train technicians

8103230

CDS Training Set V

Set to train technicians

8103240



Dräger Simultaneous Test Sets

Gas Detection Tubes

Risks and potential dangers at a glance: The Simultaneous Test Sets allow the measurement of five different gases at the same time.



Dräger Aerotest® Simultan HP Test Equipment

Dräger Aerotest® Simultan HP is used to determine the quality of respiratory air in high-pressure applications. Quantitative measurements for CO, CO₂, H₂O and condensed oil / lubricants in breathing apparatus cylinders and compressors are accomplished in minutes.

Dräger-Tubes® and MicroTubes

Dräger Aerotest® Simultan HP / USA		Order No.
Dräger Aerotest Simultan HP - <u>without</u> tubes or impactor Connection: G 5/8, CGA347-I and 825-14 NGO-RH-EXT Comprised of one high pressure reducer, CGA-347 adapter, G5/81 adapter, measuring device for 4 Dräger-Tubes, impactor adapter, stopwatch, tube opener Dräger TO 7000, bubble test hose		
Oil Impactor		6525980
Dräger Aerotest Simultan HP, <u>complete</u> kit with Dräger-Tubes® and impactor Connection: G 5/8, CGA347-I and 825-14 NGO-RH-EXT		
Oil Impactor		6525990
Accessories		
Dräger-Tubes®		
Carbon dioxide 100/a-P (10 pcs.)	100 – 3000 ppm	6728521
Carbon monoxide 2/a-P, 2 to 60 ppm (10 pcs.)	2 to 60 ppm	3735950
Water vapor 20/a-P (10 pcs.)	20-1,500 mg/m³	8103061
Dräger Oil Impactor		8101461
Oil Impactor (10 pcs.)	0.1 – 1 mg/m³	8103560

Other Aerotest® kit options	
Alpha:	Breathing air in plant supplied air lines, air carts & compressors
MultiTest med. Int:	Medical grade gases; air, N ₂ , N ₂ O, CO ₂ & O ₂
SimultanTest CO ₂ :	Carbon dioxide in the beverage industry

Dräger Aerotest® Simultan HP	
Dimensions (L x W x H)	390 x 315 x 110 mm (15.4 x 12.4 x 4.3 in)
Weight	approx. 3,5 kg (7.7 lbs)
Supply Pressure	200 / 300 bar (up to 4500 psi)



Dräger Aerotest® Navy Test Equipment

Specially designed to meet the requirements of the Navy, the Dräger Aerotest® Navy is used to monitor the purity of breathing air in the high pressure range.

Dräger-Tubes® and MicroTubes

Dräger Aerotest® Navy		Order No.
Dräger Aerotest® Navy, complete consisting of: 1 pressure reducer, 1 measuring device for 4 Dräger-Tubes®, 2 adapters, stopwatch, tube opener Dräger TO 7000, bubble test tube, instructions for use, transport case (color black), gas detector pump accuro, E-part set for gas detector pump accuro		6525960
Accessories		
Dräger-Tubes®		
Carbon dioxide 100/a-P (10 pcs.)	100 – 3000 ppm	6728521
Carbon monoxide 2/a-P, 2 to 60 ppm (10 pcs.)	6 – 60 ppm	3735950
Water vapor 20/a-P (10 pcs.)	20-1,500 mg/m³	8103061
Oil PN (10 pcs.)	5 mg/m³	8103111
Oxygen 5/C (10 pcs.)	5– 23 Vol.%	8103261
Dräger Aerotest® Navy, without Dräger-Tubes® and Dräger accuro® gas detector pump	0.1 – 1 mg/m³	6525970

Dräger Aerotest® Navy	
Dimensions of transport case (L x W x H)	390 x 315 x 140 mm (15.4 x 12.4 x 5.5 in)
Weight	approx. 4.2 kg (9.3 lbs)
Operating temperature	15 °C to 25 °C, 1,013 mbar
Min. operating pressure	10 bar (145 psi)
Primary pressure max.	300 bar (4500 psi)
Flow rate (l/min)	0.2 and 4.0 l/min
Supply pressure (set on delivery)	8.5 bar (123 psi)



Dräger Aerotest® Alpha Dräger-Tubes®

The Dräger Aerotest® Alpha is the instrument of choice for monitoring the purity of breathing air in the low pressure range. In combination with the Dräger Oil Impactor, the system achieves an unprecedented quality of breathing air monitoring.

Dräger-Tubes® and MicroTubes

Dräger Aerotest® Alpha	Order No.
Dräger Aerotest Alpha - <u>without</u> tubes or impactor comprising 1 pressure reducer, measuring device for Dräger-Tubes®, impactor adapter, coupling, barbed nipple, stopwatch, tube opener Dräger TO 7000, bubble test hose, instruction for use, transport case (black)	6527149
Dräger Aerotest Alpha, <u>complete</u> kit with Dräger-Tubes® and impactor:	6527150
1 Impactor, (10 pcs.)	8103560
Carbon dioxide (CO ₂) 100/a-P (10 pcs.)	6728521
Carbon monoxide 2/a-P, 2 to 60 ppm (10 pcs.)	3735950
Water vapor (H ₂ O) 20/a-P (10 pcs.)	8103061

Other Aerotest® kit options	
Simultan HP:	High pressure breathing air apparatus cylinders & compressors
MultiTest med. Int:	Medical grade gases; air, N ₂ , N ₂ O, CO ₂ & O ₂
SimultanTest CO ₂ :	Carbon dioxide in the beverage industry

Dräger Aerotest® Alpha	
Transport case dimensions (L x W x H)	390 x 315 x 110 mm (15.4 x 12.4 x 4.3 in)
Weight, including contents	approx. 3 kg (6.6 lbs)
Max. supply pressure	20 bar (290 psi)
Pressure gauge	0.3 to 15
Connection for compressed air supply, barbed nipple	9 mm
Supply pressure (set on delivery)	3 bar
Flow rate	0.2 and 4.0 l/min



Dräger MultiTest med. Int. Dräger-Tubes®

Designed to meet the requirements of medical supply systems, the Dräger MultiTest med. Int. checks the purity of medical gases. A single test system is all that is needed to detect contaminants in compressed air, nitrous oxide, carbon dioxide and oxygen.

Dräger-Tubes® and MicroTubes

Dräger MultiTest med. Int.	Order No.
Dräger Aerotest MultiTest med. Int. - <u>without</u> tubes or impactor comprising of 1 O ₂ pressure regulator, measuring device for 7 tubes, impactor adapter, NIST connector, closing coupling, stopwatch, tube opener Dräger TO 7000, bubble test hose, instruction for use, transport case (blue)	6527319
Dräger Aerotest MultiTest med. Int., <u>complete</u> kit with Dräger-Tubes® and impact	6520260
pack of 10 Dräger Oil Impactors,	8103560
box of 10 Dräger-Tubes® carbon dioxide (CO ₂) 100/a-P,	6728521
box of 10 Dräger-Tubes® carbon monoxide 2/a-P, 2 to 60 ppm (10 pcs.)	3735950
box of 10 Dräger-Tubes® nitrous gases (NO _x) 0.2/a,	8103661
box of 10 Dräger-Tubes® sulfur dioxide (SO ₂) 0.5/a,	6728491
box of 10 Dräger-Tubes® hydrogen sulfide (H ₂ S) 1/d,	8101831
box of 10 Dräger-Tubes® water vapor (H ₂ O) 20/a-P	8103061

Other Aerotest® kit options	
Simultan HP:	High pressure breathing air apparatus cylinders & compressors
Alpha:	Breathing air in plant supplied air lines, air carts & compressors
SimultanTest CO ₂ :	Carbon dioxide in the beverage industry

Dräger MultiTest med. Int.	
Dimensions of carrying case (L x W x H)	390 x 315 x 140 mm (15.4 x 12.4 x 5.5 in)
Weight, including contents	approx. 3.0 kg (6.6 lbs)
Max. supply pressure	20 bar (290 psi)
Supply pressure (set on delivery)	3.0 bar
Connection for compressed air supply	9 mm barbed nipple
Flow rate	0.2 and 4.0 (l/min.)



Dräger Aerotest® SimultanTest CO₂ Dräger-Tubes®

The Dräger SimultanTest CO₂ allows the purity of carbonic acid to be measured in the 3 bar low pressure range.

Dräger-Tubes® and MicroTubes

Dräger SimultanTest CO ₂	Order No.
Dräger Aerotest SimultanTest CO ₂ - <u>without</u> tubes or impactor comprising of 1 O ₂ pressure regulator, measuring device for 7 tubes, closing coupling (G 1/4), stopwatch, tube opener Dräger TO 7000, instruction for use, transport case (blue)	6526743
Dräger Aerotest SimultanTest CO ₂ , <u>complete</u> kit with Dräger-Tubes® and impactor	6526170
box of 10 Dräger-Tubes® nitrous gases (NO _x) 0.2/a	8103661
box of 10 Dräger-Tubes® ammonia (NH ₃) 2/a	6733231
box of 10 Dräger-Tubes® phosphine (PH ₃) 0.1/c	8103711
box of 10 Dräger-Tubes® carbon monoxide 2/a-P, 2 to 60 ppm (10 pcs.)	3735950
box of 10 Dräger-Tubes® sulfur dioxide (SO ₂) 1/a	CH31701
box of 10 Dräger-Tubes® hydrogen sulfide (H ₂ S) 0.2/a	8101461
box of 10 Dräger-Tubes® water vapor (H ₂ O) 5/a-P	6728531

Other Aerotest® kit options	
Simultan HP:	High pressure breathing air apparatus cylinders & compressors
Alpha:	Breathing air in plant supplied air lines, air carts & compressors
MultiTest med. Int:	Medical grade gases; air, N ₂ , N ₂ O, CO ₂ & O ₂

Dräger SimultanTest CO ₂	
Dimensions of carrying case (L x W x H)	390 x 315 x 140 mm (15.4 x 12.4 x 5.5 in)
Weight, including contents	ca. 3.0 kg (6.6 lb)
Min/Max. supply pressure	3 to 20 bar (43.5 to 290 psi)
Connections	Quick-lock coupling (external thread G 1/4)
Connection for compressed air supply	9 mm barbed nipple
Flow rate	0.2, 0.8 and 2.0 l/min



Dräger Flow Check Air Flow Indicator

The Dräger Flow Check air current indicator produces a harmless cloud of smoke that floats freely and easily, because it has the same density as ambient air. This allows the smoke to drift naturally with even the slightest air movement, making it easy to visualize airflow patterns, detect leaks, and assess the integrity of sealed environments.

Dräger-Tubes® and MicroTubes

Dräger Flow Check	Order No.
Air flow indicator with battery charger, one pack of ampoules (3), battery pack - packed in a transport case	6400761
Accessories	
Flow check ampoules (3 ampoules and 1 nozzle)	6400812
Battery charger, 4.8 V - 12 V / 800 mA	3703625
Battery pack	6400817
Transport case	3703692

Dräger Flow Check	
Operating temperature	-5 °C to 40 °C (23 °F to 104 °F)
Smoke time per ampoule	approx. 3 min in total
Operating time per battery charge	approx. 20 min
Ni-MH rechargeable battery	7.2 V; 1.4 Ah
Charging current	800 mA
Dimensions	approx. 300 mm x 200 mm x 70 mm (11.8 in x 7.9 in x 2.8 in)
Weight	approx. 500 g (1.1 lbs)



Dräger X-act® 7000 Multi-Gas Detector

The innovative Dräger X-act® 7000 analysis system consists of Dräger MicroTubes and an opto-electronic analysis device that lets you precisely measure gases in the low ppb range. It gives you precise results right on site, replacing slow, expensive lab analyses. It's extremely easy to use: insert the Dräger MicroTubes, start measuring, then read out the test result.

Dräger-Tubes® and MicroTubes

Dräger X-act® 7000

Dräger X-act® 7000	3710800
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consisting of: Basic device X-act® 7000 incl. batteries, shoulder strap complete, MicroTube Demo, Torx T10 screwdriver, USB cable 2 m with Mini-connection

Pump accessories

Dräger X-act® 7000 Coupler	8610810
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X-am® Pump, USB charger, wall plug & shoulder strap	8327115
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Other accessories

Dräger X-act® 7000 Original Pre-tube holder	3701985
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Dräger X-act® 7000 Pre-tube holder	3715575
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Dräger Tubes®, ppb-Booster Basic	3702013
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H ₂ S filter pre-tube for use with Mercury MicroTube	3716630
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Tube opener, TO 7000	6401200
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Shoulder strap, compl.	8326823
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Label holder for shoulder strap	8326824
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"Silver" Sticker Set, 5 pieces	8327645
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"Blue" Sticker Set, 5 pieces	8327646
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"Red" Sticker Set, 5 pieces	8327647
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"Green" Sticker Set, 5 pieces	8327648
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"Yellow" Sticker Set, 5 pieces	8327649
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Carry case, 470 x 365 x 190 mm, black	3703690
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Display protector film (3 pcs.)	8326828
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Dust and water filter for pump inlet	8319364
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Probes

Rigid probe set, GP 600, (50 cm / 30 in) with 1 m / 39 in FKM hose	8328667
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Flexible, semi-rigid probe (70 cm / 27 in) with 1 m / 39 in FKM hose	8316531
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Rigid fiberglass probe (90 cm / 35 in) with 1 m / 39 in FKM hose	8316532
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ES150 Telescopic probe (max. length: 150 cm / 59 in)	8316533
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Hoses

PTFE-lined PVC hose, 3 m (9.8 ft)	8326980
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PTFE-lined PVC hose, 15 m (49.2 ft)	4594679
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Replacement hose for probes, 2 m (6.6 ft)	8318205
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FKM hose, inner diameter: 3.2 mm, length: 5 m (16.4 ft)	8325705
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FKM hose, inner diameter: 3.2 mm, length: 10 m (32.8 ft)	8325706
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FKM hose, inner diameter: 3.2 mm, length: 20 m (65.6 ft)	8325707
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FKM hose, inner diameter: 3.2 mm, length: 45 m (147.6 ft)	8328212
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Hose connector, outer diameter: 5 mm (10 pcs.)	8320087
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Adapters

Luer Adapter Set 3 + 5 mm	8328213
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Dräger-Tubes® and MicroTubes

Measuring range and resolution		Varies, depending on the Dräger MicroTubes in use	
Typical testing time		From 5 seconds to 1,200 seconds, depending on the Dräger MicroTubes in use and the concentration of the test substance.	
Ready to use		Immediately	
Calibration		Recommended annually	
Operating temperature		0 to +50 °C (+32 to +122 °F)	
Storage temperature		-20 to +55 °C (-4 to +131 °F) (Analyzer)	
Air pressure		+4 to +25 °C (+39 to +77 °F) (Dräger MicroTubes)	
Humidity		700 to 1,300 hPa	
Recording of measured data		0 to 95 % relative humidity, non-condensing	
System diagnostics		CMOS sensor optics and LED light	
Display		Automatic, using micro-controllers for all system components	
2.4 inch high contrast, color display with a resolution of 240 x 320, viewing angle of 160°			
Specifications			
Menu languages		30	
Operating time		Approx. 600 minutes of testing time	
Power supply		5 x 1.5 v AA alkaline batteries	
Dimensions (L x W x H)		195 mm x 85 mm x 70 mm (7.7 in x 3.3 in x 2.8 in)	
Approvals		ATEX/IECEX	
		II 1G Ex IIC T4 Ga	
		cCSAus	
		Class I, Zone 0, AEx ia IIC T4 Ga	
Protection class		IP54, dust- and splash-resistant	

Dräger-Tubes® and MicroTubes

Dräger MicroTubes	Standard Range of Measurement	Measurement Time (min-max)	Order Code
Acetic Acid	2 - 50 ppm	20 - 170 seconds	8610330
Acetone	25- 5,000 ppm	20- 500 seconds	8610470
Alcohol(Methanol)	10- 5,000 ppm	20- 450 seconds	8610380
Alcohol (Ethanol)	5- 2,500 ppm	20- 450 seconds	8610380
Alcohol (i-Propanol)	10- 5,000 ppm	20- 450 seconds	8610380
Alcohol (n-Butanol)	7- 3,330 ppm	20- 450 seconds	8610380
Ammonia	1- 100 ppm	10- 75 seconds	8610130
Ammonia	100- 2,500 ppm	3- 45 seconds	8610020
Benzene ^{1,2}	1- 150 ppb	100- 900 seconds	8610600
Benzene ¹	0.15- 10 ppm	25- 150 seconds	8610030
Benzene	10 - 100 ppm	10 - 75 seconds	8610280
1,3-Butadiene ²	25- 500 ppb	200- 600 seconds	8610460
1,3-Butadiene	0.5- 25 ppm	10- 280 seconds	8610300
Carbon Dioxide	200- 50,000 ppm	2- 120 seconds	8610190
Carbon Monoxide	2- 1,000 ppm	5- 300 seconds	8610080
Chlorine	50- 5,000 ppb	10- 400 seconds	8610010
Demo	NA	approx. 30 seconds	8610290
Ethylene Oxide	0.25- 10 ppm	150- 600 seconds	8610200
Ethylene Oxide	5- 150 ppb	100- 500 seconds	8610580
Formaldehyde	0.15- 3 ppm	360- 960 seconds	8610540
Formaldehyde	0.5- 25 ppm	300- 600 seconds	8610100
Hydrochloric Acid	0.5- 50 ppm	10- 100 seconds	8610090
Hydrochloric Acid	0.1- 50 ppm	20- 180 seconds	8610520
Hydrogen Sulfide	100 - 2,000 ppm	5- 960 seconds	8610050
Hydrogen Sulfide	0.005- 0.25 mg/m ³	15 - 180 seconds	8610220
Mercaptan	50- 6,000 ppb	15- 360 seconds	8610360
Mercury ³	0.005- 0.25 mg/m ³	240- 1,200 seconds	8610350
Methylene Chloride ²	10 - 500 ppm	180 - 720 seconds	8610510
MTBE	2 - 200 ppm	60 - 450 seconds	8610530
Nitrogen Dioxide	0.25- 50 ppm	10- 210 seconds	8610120
Nitrous Fumes	0.25- 50 ppm	5- 120 seconds	8610060
Ozone	10 - 1,000 ppb	50 - 840 seconds	8610430
Perchloroethylene	1- 500 ppm	25- 240 seconds	8610040
Petroleum Hydrocarbons	10- 3,000 ppm	10- 360 seconds	8610270
Phosgene	10- 1,000 ppb	10- 300 seconds	8610340
Phosphine ²	50 - 5,000 ppb	20 - 95 seconds	8610400
Sulfur Dioxide	0.05- 5 ppm	20- 480 seconds	8610110
Toluene ¹	10- 1,000 ppm	6- 360 seconds	8610250
Trichloroethylene	0.25 - 50 ppm	20 - 270 seconds	8610320
Vinyl Chloride	0.1 - 10 ppm	15 - 660 seconds	8610230
Xylene ¹	10- 1,000 ppm	10- 240 seconds	8610260

Each MicroTube offers 10 tests

All MicroTubes have a 12 month shelf life

1 MicroTubes to be stored at or below 50 °F; do not freeze

2 MicroTubes requiring the ppb booster tube

3 Use with the Hydrogen Sulfide pre-tube

Dräger-Tubes® and MicroTubes

Dräger-Tubes®	Standard Range of Measurement	Measurement Time (min-max)	Order Code
Acetaldehyde 100/a	100 – 1,000 ppm	5	6726665
Acetic Acid 5/a	5 – 80 ppm	30 s	6722101
Acetone 40/a (5)	40 – 800 ppm	1	8103381
Acetone 100/b	100 – 12,000 ppm	4	CH22901
Acid Test	qualitative	3 s	8101121
Acrylonitrile 0.2/a	5 – 50 ppm 0.2 – 4 ppm	1 4	8103701 ³
Amine-Test	qualitative	5 s	8101061
Ammonia 0.25/a	0.25 – 3 ppm	1	8101711
Ammonia 2/a	2 – 30 ppm	1	6733231
Ammonia 5/a	5 – 70 ppm 50 – 700 ppm	1 6 s	CH20501 ³
Ammonia 5/b	5 – 100 ppm	10 s	8101941
Ammonia 0.5 %/a	0.5 – 10 Vol.-%	20 s	CH31901
Aniline 0.5/a	0.5 – 10 ppm	4	6733171
Aniline 5/a	1 – 20 ppm	3	CH20401
Arsine 0.05/a	0.05 – 3 ppm	6	CH25001
Benzene 0.25/a	0.25 – 2 ppm 2 – 10 ppm	5 1	8103691 ³
Benzene 2/a (5)	2 – 60 ppm	8	8101231
Benzene 5/a	5 – 40 ppm	3	6718801
Benzene 5/b	5 – 50 ppm	8	6728071
Benzene 15/a	15 – 420 ppm	4	8101741
n-Butanol	10 – 250 ppm 250 – 2000 ppm	6 1	8103861 ³
BTX (Toluene 5/b)	50 – 300 ppm	1	8101661
Carbon Dioxide 100/a	100 – 3,000 ppm	4	8101811
Carbon Dioxide 0.1 %/a	0.5 – 6 Vol.-% 0.1 – 1.2 Vol.-%	30 s 2.5	CH23501 ³
Carbon Dioxide 0.5 %/a	0.5 – 10 Vol.-%	30 s	CH31401
Carbon Dioxide 1 %/a	1 – 20 Vol.-%	30 s	CH25101
Carbon Dioxide 5 %/A	5 – 60 Vol.-%	2	CH20301
Carbon Disulphide 3/a	3 – 95 ppm	2	8101891 ²
Carbon Disulphide 5/a	5 – 60 ppm	3	6728351
Carbon Disulphide 30/a	0.1 – 10 mg/L	1	CH23201
Carbon Monoxide 2/a	2 – 60 ppm 25 – 300 ppm	4	6733051 ³
Carbon Monoxide 5/c	100 – 700 ppm 5 – 150 ppm	30 s 2.5	CH25601 ³
Carbon Monoxide 8/a	8 – 150 ppm	2	CHI9701
Carbon Monoxide 10/b	100 – 3,000 ppm 10 – 300 ppm	20 s 4	CH20601 ³
Carbon Monoxide 0.3%/b	0.3 – 7 ppm	30 s	CH29901 ²
Carbon Pretube			CH24101
Respiratory CO Test Kit (5)			CH00270
Carbon Tetrachloride 0.1/a	0.1 – 5 ppm	2.5	8103501

Dräger-Tubes® and MicroTubes

Dräger-Tubes®	Standard Range of Measurement	Measurement Time (min-max)	Order Code
Carbon Tetrachloride 1/a	1 – 15 ppm	10	8101021 ³
Chlorine 0.2/a	0.2 – 3 ppm	3	CH24301 ³
Chlorine 50/a	3 – 30 ppm	30 s	
Chlorine Dioxide 0.025/a specific	50 – 500 ppm	20 s	CH20701
Chlorobenzene 5/a (5)	0.025 – 0,1 ppm	7.5	8103491 ³
Chloroform 2/b (5)	0,1 – 1 ppm	2.5	
Chloroformates 0.2/b	5 – 200 ppm	3	6728761
Chloromethane 10/a	2 – 10 ppm	9	6728861 ²
Chloroprene 5/a	20 – 80 ppm	3	
Chloropicrin 0.1/a	0.2 – 10 ppm	3	6718601
Chromic Acid 0.1/a (9)	10 – 100 ppm	4	8103911
Cyanide 2/a	5 – 60 ppm	3	6718901
Cyanogen Chloride 0.25/a	0.1 – 2 ppm	7.5	8103421
Cyclohexane 40/a	0.1 – 0.5 mg/m ³	8	6728681
Cyclohexylamine 2/a	2 – 15 mg/m ³	2	6728791 ²
Diesel Fuel	0.25 – 5 ppm	5	CH19801
Diethyl Ether 100/a	40 – 200 ppm	75 s	8103671 ³
Dimethyl Formamide 10/b	300 – 3,000 ppm	15 s	
Dimethyl Sulphate 0.005/c (9)	2 – 30 ppm	4	6728931
Dimethyl Sulphide 1/a (5)	25 – 200 mg/m ³	2.5	8103475 ²
Epichlorohydrin 5/b	100 – 4,000 ppm	3	6730501
Ethanol 100/a	10 – 40 ppm	3	6718501
Ethyl Acetate 200/a	0.005 – 0.05 ppm	50	6718701
Ethyl Benzene 30/a	1 – 15 ppm	15	6728451
Ethylene 0.1/a (5)	5 – 50 ppm	8	6728111
Ethylene 50/a	100 – 3,000 ppm	1.5	8103761
Ethylene Glycol 10 (5)	200 – 3,000 ppm	5	CH20201
Ethylene Oxide 1/a (5)	30 – 400 ppm	2	6728381
Ethylene Oxide 25/a	0.2 – 5 ppm	30	8101331
Fluorine 0.1/a	50 – 2,500 ppm	6	6728051
Formaldehyde 0.2/a	10 – 180 mg/m ³	7	8101351
Formaldehyde 2/a	1 – 15 ppm	8	6728961
Formic Acid 1/a	25 – 500 ppm	6	6728241
Hydrazine 0.01/a	0.1 – 2 ppm	5	8101491
Hydrogen Sulfide 0.1/a	0.2 – 2.5 ppm	3	6733081 ³
Hydrogen Cyanide 0.05/a	0.5 – 5 ppm	1.5	
Activation Tube for use in conjunction with Formaldehyde 0.2/a tube			8101141
Formaldehyde 2/a	2 – 40 ppm	30 s	8101751
Formic Acid 1/a	1 – 15 ppm	3	6722701
Hexane 10/a	10 – 200 ppm	5	8103681 ³
Hydrazine 0.01/a	300 – 2,500 ppm	1	
	0.5 – 6 ppm	1	8103351 ³
	0.01 – 0.4 ppm	20	

Dräger-Tubes® and MicroTubes

Dräger-Tubes®	Standard Range of Measurement	Measurement Time (min-max)	Order Code
Hydrocarbon 2/a	2 – 24 mg/L	5	8103581
Hydrocarbon 0.1 %/c	0.1 – 1.3 Vol.-%	2	8103571
Hydrochloric Acid 0.2/a	0.2 – 3 ppm 3 – 20 ppm	2 40 s	8103481 ³
Hydrochloric Acid 1/a	1 – 10 ppm	2	CH29501
Hydrochloric Acid 50/a	500 – 5,000 ppm 50 – 500 ppm	30 s 4	6728181 ³
Hydrochloric Acid /Nitric Acid 1/a – Hydrochloric Acid	1 – 10 ppm 1 – 15 ppm	1.5 3	8101681 ³
Nitric Acid			
Hydrocyanic Acid 0.5/a	0.5 – 5 ppm 5 – 50 ppm	10 2	8103601 ³
Hydrogen 0.2 %/a	0.2 – 2.0 Vol.-%	1	8101511
Hydrogen 0.5 %/a	0.5 – 3.0 Vol.-%	1	CH30901
Hydrogen Fluoride 0.5/a	0.5 – 15 ppm 10 – 90 ppm	2 25 s	8103251 ³
Hydrogen Fluoride 1.5/b	1.5 – 15 ppm	2	CH30301
Hydrogen Peroxide 0.1/a	0.1 – 3 ppm 1 ppm (single mark)	3	8101041 ³
Hydrogen Sulphide 0.2/a	0.2 – 5 ppm	5	8101461
Hydrogen Sulphide 0.2/b	0.2 – 6 ppm	55 s	8101991
Hydrogen Sulphide 0.5/a	0.5 – 15 ppm	6	6728041 ³
Hydrogen Sulphide 1/c	10 – 200 ppm 1 – 20 ppm	20 s 3	6719001 ³
Hydrogen Sulphide 1/d	10 – 200 ppm 1 – 20 ppm	1 10	8101831 ³
Hydrogen Sulphide 2/a	20 – 200 ppm 2 – 20 ppm	20 s 3.5	6728821 ³
Hydrogen Sulphide 2/b	2 – 60 ppm	30 s	8101961
Hydrogen Sulphide 5/b	5 – 60 ppm	4	CH29801
Hydrogen Sulphide 100/a	100 – 2,000 ppm	30 s	CH29101
Hydrogen Sulphide 0.2 %/A	0.2 – 7 Vol.-%	2	CH28101
Hydrogen Sulphide 2 %/a	2 – 40 Vol.-%	1	8101211
Simultan. Tube H ₂ S + SO ₂ 0.2 %/a	0.2 – 7 Vol.-%	2	CH28201
Iodine 0.1/a	1 – 5 ppm 0.1 – 0.6 ppm	1 5	8103521 ³
Mercaptan 0.1/a	0.1 – 25 ppm 3 – 15 ppm	3 40 s	8103281 ³
Mercaptan 0.5/a	0.5 – 5 ppm	5	6728981
Mercaptan 20/a	20 – 100 ppm	2.5	8101871
Mercury Vapor 0.1/b	0.05 – 2 mg/m ³	10	CH23101
Methanol 20/a	20 – 250 ppm 200 – 5,000	6 2	8103801 ³
Methyl Acrylate 5/a	5 – 200 ppm	5	6728161
Methyl Bromide 0.1/a	0.1 – 5 ppm 5 – 50 ppm	5 1	3706301 ³
Methylene Chloride 20/a	20 – 200 ppm	7	8103591 ²
Natural Gas Odorization, Tertiary Butylmercaptan	3 – 15 mg/m ³ 1 – 10 mg/m ³	3 5	8103071

Dräger-Tubes® and MicroTubes

Dräger-Tubes®	Standard Range of Measurement	Measurement Time (min-max)	Order Code
Natural Gas Test (5)	qualitative	40 s	CH20001 ²
Nickel Tetracarbonyl 0.1/a (9)	0.1 – 1 ppm	5	CH19501
Nitric Acid 1/a	5 – 50 ppm 1 – 15 ppm	2 4	6728311 ³
Nitrogen Dioxide 0.1/a	0.1 – 5 ppm 5 – 30 ppm	75 s 30 s	8103631 ³
Nitrogen Dioxide 2/c	5 – 100 ppm 2 – 50 ppm	1 2	6719101 ³
Nitrous Fumes 0.2/a	0.2 – 6 ppm	75 s	8103661
Nitrous Fumes 2/a	2 – 50 ppm 5 – 150 ppm	2 1	CH31001 ³
Nitrous Fumes 20/b	20 – 500 ppm	30 s	3706171
Nitrous Fumes 50/b	50 – 1,000 ppm 2,000 – 4,000 ppm	2 1	8103941 ³
Oil 10/a-P	0.1 – 1 mg/m ³	25	6728371
Oil Mist 1/a	1 – 10 mg/m ³	25	6733031
Olefine 0.05%/a	0.06 – 3.2 Vol.-%	5	CH31201
Organ. Arsenic Compounds and Arsine	0.3 mg/m ³ as AsH ₃	3	CH26303
Organic Basic Nitrogen Compounds	1 mg/m ³ threshold value	1.5	CH25903
Oxygen 5 %/C	5 – 23 Vol.-%	1	8103261
Ozone 0.05/b	0.05 – 0.7 ppm	3	6733181
Ozone 10/a	20 – 300 ppm	20 s	CH21001
Pentane 100/a	100 – 1,500 ppm	15 s	6724701
Perchloroethylene 0.1/a	0.5 – 4 ppm 0.1 – 1 ppm	3 9	8101551 ³
Perchloroethylene 2/a	20 – 300 ppm 2 – 40 ppm	30 s 3	8101501 ³
Petroleum Hydrocarbons 10/a	10 – 300 ppm	1	8101691
Petroleum Hydrocarbons 100/a	100 – 2,500 ppm	30 s	6730201
Phenol 1/b	1 – 20 ppm	5	8101641
Phosgene 0.02/a	0.02 – 1 ppm 0.02 – 0.6 ppm	6 12	8101521 ³
Phosgene 0.25/c	0.25 – 5 ppm	1	CH28301
Phosphine 0.1/c	0.5 – 3 ppm 0.1 – 1.0 ppm	1 2.5	8103711 ³
Phosphine 0.1/b in Acetylene	1 – 15 ppm 0.1 – 1 ppm	20 s 4	8103341 ³
Phosphine 1/a	20 – 100 ppm 1 – 20 ppm	2 10	8101801 ³
Phosphine 25/A	200 – 10,000 ppm 25 – 900 ppm	1.5 13	8101621 ³
Phosphine 50/a	50 – 1,000 ppm	2	CH21201
Phosphoric Acid Ester 0.05/a	0.05 ppm	5	6728461
Polytest	qualitative	1.5	CH28401
Pyridine 5/A	5 ppm	20	6728651
Styrene 10/a	10 – 200 ppm	3	6723301
Styrene 10/b	10 – 250 ppm	3	6733141

Dräger-Tubes® and MicroTubes

Dräger-Tubes®	Standard Range of Measurement	Measurement Time (min-max)	Order Code
Sulphur Dioxide 0.1/a	0.1 – 3 ppm	20	6727101
Sulphur Dioxide 0.5/a	1 – 25 ppm 0.5 – 5 ppm	3 6	6728491 ³
Sulphur Dioxide 1/a	1 – 25 ppm	3	CH31701
Sulphur Dioxide 20/a	20 – 200 ppm	3	CH24201
Sulphur Dioxide 50/b	400 – 8,000 ppm 50 – 500 ppm	15 s 3	8101531 ³
Sulphuric Acid 1/a (9)	1 – 5 mg/m ³	100	6728781
Tertiary Butylmercaptan	3 – 15 mg/m ³	3	8103071 ³
Natural Gas Odorization	1 – 10 mg/m ³	5	
Tetrahydrothiophene 1/b (5)	1 – 10 ppm	15	8101341 ³
	4 – 40 mg/m ³	10	
Thioether	1 mg/m ³ threshold value	1.5	CH25803
Toluene 5/b	50 – 300 ppm	2	8101661 ³
	5 – 80 ppm	10	
Toluene 50/a	50 – 400 ppm	1.5	8101701
Toluene 100/a	100 – 1,800 ppm	1.5	8101731
Toluene Diisocyanate 0.02/A (9)	0.02 – 0.2 ppm	20	6724501
Trichloroethane 50/d (5)	50 – 600 ppm	2	CH21101
Trichloroethylene 2/a	20 – 250 ppm	1.5	6728541 ³
	2 – 50 ppm	2.5	
Trichloroethylene 50/a	50 – 500 ppm	1.5	8101881
Triethylamine 5/a	5 – 60 ppm	3	6718401
Vinyl Chloride 0.5/b	5 – 30 ppm	30 s	8101721 ³
	0.5 – 5 ppm	3	
Vinyl Chloride 100/a	100 – 3,000 ppm	4	CH19601
Water Vapor 0.1	1 – 40 mg/L	2	CH23401
Water Vapor 0.1/a	0.1 – 1.0 mg/L	1.5	8101321
Water Vapor 1/b	20 – 40 mg/L	20 s	8101781 ³
	1 – 18 mg/L	40 s	
Water Vapor 3/a	3 – 60 lbs/MMcf	1.5	8103031
Xylene 10/a	10 – 400 ppm	1	6733161



Dräger TO 7000 Tube Opener for Gas Detection Tubes

The Dräger-Tube® Opener 7000 enables you to open the tips of the Dräger-Tubes®, pre-tubes and sampling tubes in an efficient manner, with improved safety and contains the tips of the tubes for responsible disposal.

Dräger-Tubes® and MicroTubes

Dräger TO 7000		Order No.
Tube opener TO 7000	Detector tube tip removal device	6401200
Dräger accuro	Gas detector pump Dräger accuro and tube opener Dräger TO 7000	6400000
Soft-Side accuro kit	accuro pump, tube opener, spare parts, allen tool, and nylon case	8317186
Hard-Side accuro kit	accuro pump, tube opener, spare parts, allen tool, rubber caps and molded case	40 56443
Spare parts kit for Dräger accuro	6 x valve disc, 1 x window, 3 x membrane, 1 x insert and 1 x grommet	6400220
Extension hose 1 m	Incl. adapter for Simultaneous Test Set	6400561
Extension hose 3 m	Incl. adapter to hold the tube and an adapter to connect to the pump.	6400077
Extension hose 10 m	Incl. adapter to hold the tube and an adapter to connect to the pump.	6400078
Extension hose 15 m	Incl. adapter to hold the tube and an adapter to connect to the pump.	6400079

Dräger TO 7000	
Dimensions (W x H x D)	86 x 40 x 40 mm (3.4 x 1.6 x 1.6 in)
Weight	40 g (1.4 oz)
Ambient conditions Temperature:	-20 °C to +50 °C (-4 °F to +122 °F)

Alcohol and Drug Testing

Alcohol and Drug Testing

Dräger Alcotest® 4000	216
Dräger Alcotest® 5000	218
Dräger Alcotest® 6000	221
Dräger Alcotest® 6820 DOT	224
Dräger Alcotest® 7000	227
Dräger DrugTest 5000	230



Dräger Alcotest® 4000

Alcohol Screening device

The breathalyzer Dräger Alcotest® 4000 offers responsible drivers a reliable way to test their breath alcohol and gives them the assurance of being legal to drive. This is ensured by precise measurement technology used by law enforcement to conduct over 30 million breath alcohol tests a year.

Alcohol and Drug Testing

Dräger Alcotest® 4000

Dräger Alcotest® 4000 – USA	3706325
Dräger A4000 additional 5 mouthpieces, hygienically and individually packed	8325250
Microfibre bag	8324994

Dräger Alcotest® 4000

Measuring principle	Electrochemical Dräger sensor for 1/4" technology, alcohol specific
Measuring range	0 to 0.500 %BAC; if the limits of the measuring range are exceeded, a message is displayed
Sampling	Automatic sampling when minimum volume resp. blow time is reached; Automatic sampling when end of breath is reached; depending on configuration
Ready for use	Approx. 4 seconds after switching on
Display of the measurement results	After approx. 3 s (at 0.000 %BAC); After approx. 10 s (at 0.100 %BAC room temperature)
Operating temperature	-5 to +50 °C / 23 to 122 °F
Relative humidity	10 to 100 % relative humidity (non-condensing and in operating state)
Ambient pressure	600 to 1,300 hPa / 17.7 to 38.4 inch Hg
Display	Graphic backlit LCD display; 32 x 22 mm / 1.3" x 0.9" (128 x 64 pixels)
LED	Blue light emitting diode (LED) to support the indication of results and warning message
Audible signal	Various acoustic signals to support messages and warnings on the display
Datalogger	Memory of last 400 tests
Power supply	Replaceable CR123A-Battery (1.pcs), charge level indicator in display, with one battery up to 1,500 breath tests can be done.
Mouthpiece	Hygienically and individually packed
Operating concept	Measurement functions can be performed using just one button
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (W x H x D), weight	Approx. 50 x 133 x 29 mm / approx. 120 g (4.2 oz.) incl. Battery
Vibration and shock	EN 60068-2-32
CE marking	CE conform
Norms	EN 15964, NHTSA, FDA Conformity, depending on configuration
Integrated clock	To show the last service date
IP protection class	IP52



Dräger Alcotest® 5000 Alcohol Screening device

The Dräger Alcotest® 5000 is a professional breath-alcohol tester which detects the presence of alcohol. The high-speed breathalyser lets you perform up to 12 tests per minute. All tests are conducted without coming into physical contact with the test subject. The special funnel attachment reduces the back-flow of exhaled air to a minimum, which prevents the risk of possible infections to subsequent test subjects, making it an extremely hygienic solution.

Alcohol and Drug Testing

Dräger Alcotest® 5000

Dräger Alcotest® 5000, V1	8327701
Languages: en, de, fr, es, nl, it, ca, pt	
Hygienic-Flow-Funnel, A5000/7000, 10 pc., individually hygienically packaged	8327718
Reflector film set (yellow), Alcotest® 5000	8327742
Reflector film set (orange), Alcotest® 5000	8327743
Alkaline batteries (Mignon, LR6, AA, 1.5V) – 3 batteries required	1335804

Alcohol and Drug Testing

Dräger Alcotest® 5000

	0 to 0.006 %BAC → “Tick mark” symbol on the display screen means “No Alcohol Detected”, visually supported by a green LED.
Measuring range	Above 0.006 %BAC “X” symbol on the display screen means 'Alcohol Detected', visually supported by a red LED.
	Above 0.525 %BAC → Measuring range exceeded (↑↑↑)
Standard sampling	Sampling starts automatically when the minimum volume or predefined blowing time is reached. Passive sampling can be done with or without a funnel. Sampling can be triggered manually while the test subject blows into the funnel.
Start-up time	Ready to use approx. 4 sec. after switching on
Display of test results	After approx. 2 sec. (at 0 to 0.006 %BAC); after approx. 6 sec. (at e.g. 0.105 %BAC, at room temperature).
Measurement basis	Electrochemical DrägerSensor, alcohol-specific
Display	Graphic LCD display with backlight 32 x 22 mm (128 x 64 pixel)
LEDs	Two-colours, for supporting test results and warning messages on the display
Acoustic signals	Various signal tones for supporting display and warning messages
Memory	Stores the latest 500 test results with test number, date and time
Energy supply	3x AA batteries, charge status shown on display; with the battery life from 3x AA batteries, up to 5,000 tests can be performed.
Funnel intake	Click adapter for funnel
Hygienic-Flow-Funnel	Hygienic, individually packaged with air outlets for minimising back-flow of expired air
Operating design	Test functions are started with the “OK” button; two arrow buttons are used to navigate through the menu.
Calibration	Wet- or dry-gas calibration with the Alcotest® 5000 calibration adapter
Exterior	Impact-proof ABS/PC
Dimensions (W x H x D), Weight	Approx. 63 x 219 x 41 mm (2.5 x 8.6 x 1.6 in); approx. 245 g (8.6 oz.) including funnel and batteries
Vibration and impact resistance	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE marking	EMC Directive
Standards	Contactless breath-alcohol testing devices are currently not subject to any standards
Internal clock	Warning 30 days before service interval expires
Service interval	24 months
Operating temperature	5 °F to 122 °F (-15 °C to 50 °C)
Air humidity	10 to 100 % relative humidity (not condensed and in operation)
Ambient pressure	600 to 1,300 hPa

Alcohol and Drug Testing



Dräger Alcotest® 6000 Alcohol Screening device

The Dräger Alcotest® 6000 allows the professional user to perform a breath alcohol test with speed and precision. The measuring technology of this small and user-friendly portable measuring device has already been proven worldwide and has been sold over 1,000,000 times.

Alcohol and Drug Testing

Dräger Alcotest® 6000	Order No.
Dräger Alcotest® 6000 – USA	3706962
Mouthpiece – Package with 100 pieces	6810690
Mouthpiece – Package with 250 pieces	6810825
Mouthpiece – Package with 1,000 pieces	6810830
Mouthpiece with non return valve – Package with 100 pieces	6811055
Mouthpiece with non return valve – Package with 250 pieces	68 11060
Mouthpiece with non return valve – Package with 1,000 pieces	6811065
Protection bag, black	8324999
Protection Bag yellow	8327811
Battery	4543808

Alcohol and Drug Testing

Dräger Alcotest® 6000

Measuring principle	Electrochemical DrägerSensor in 1/4" technology; alcohol specific
Measuring range	0 to 0.525 %BAC; if measurement range limit is exceeded, a message is displayed
Sampling	Standard: automatic sampling when minimum volume resp. defined blow time is reached; Passive sampling without mouthpiece or manual initiation of sampling possible
Ready for use	Approx. 2 s after switching on
Display of measurement result	After approx. 3 s (at 0 mg/l, room temperature)
Operating temperature	-5 to +50 °C / 23 to 122 °F
Relative humidity	10 to 100 % relative humidity (non-condensing and in operating state)
Ambient pressure	600 to 1,300 hPa / 17.7 to 38.4 inch Hg
Display	Graphic backlit LCD display; 32 x 22 mm / 1.3" x 0.9" (128 x 64 pixels)
LED	2-colour, to support display of results and warning messages
Audible signal	Signal tone to support display messages and warnings
Datalogger	Storage of last 500 tests with test numbers, date and time
Power supply	1 x CR123A-Battery, charge level indicator in display, with one battery up to 1,500 breath tests can be done.
Mouthpiece adaption	Improved Slide'n'click mouthpiece attachment; can be fitted for right or left orientation
Mouthpiece	Hygienically, individually packaged, with tamper-proof, tamper-proof air outlet, mouthpiece ejector and spacer between mouth and instrument housing
Operating concept	Measurement functions can be performed using just one button; menu navigation is via two menu button
Calibration	Wet gas or dry gas calibration
Housing	Impact resistant ABS/PC
Dimensions (W x H x D), weight	Approx. 50/60 x 141 x 31 mm / 2"/2.4" x 5.6" x 1.2"; approx. 150 g / 5.3 oz., incl. battery
Instrument configuration	Direct menu-guided configuration of instrument settings (PIN required) No additional PC software needed
Vibration and shock	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE marking	CE conform
Norm	EN 15964, NHTSA, FDA Conformity, depending on configuration
Internal clock	Warning or deactivation after end of service interval
Protection type	IP54
Bluetooth® (optional)	For the communication with the Dräger Mobile Printer BT



Dräger Alcotest® 6820 for DOT Breathalyzer built for DOT applications

The Dräger Alcotest® 6820 for DOT provides fast and accurate alcohol test results. This reliable breathalyzer makes it easy to follow DOT breath test protocol. In workplaces regulated by the US Department of Transportation (DOT), sober employees are essential – both for public safety and for the company's reputation.

FOR USE IN DOT-REGULATED INDUSTRIES ONLY.

Alcohol and Drug Testing

Dräger Alcotest® 6820 for DOT	Order No.
Dräger Alcotest® 6820 for DOT KIT	4414141
Dräger Alcotest® 6820 for DOT (test unit, 2 batteries, hand strap)	4057628
Mouthpieces (box of 100)	6810690
Mobile Printer for DOT Applications	4415531
Printer Paper	4415520
Tamper Tape	4415509
Batteries	4401006
Carrying Case	4415529
Diagnostics Software	8317915
USB cable for downloading data	8319715
DOT Forms	4401004
Non-DOT Forms	4401019
CAL/ACC Check	4414158
Dräger Alcotest® 6820 for DOT KIT w/ 34L Dry Gas	4414142
Dräger Alcotest® 6820 for DOT (test unit, 3 mouthpieces, 2 batteries, hand strap, plastic case)	8322655
Mouthpieces (box of 100)	6810690
Mobile Printer for DOT Applications	4415531
Printer Paper	4415520
Tamper Tape	4415509
Batteries	4401006
Large Seal Adapter	6809263
Regulator	4507068
Dry Gas 34L 0.04% BrAC Ethanol	4401029
Carrying Case	4415529
Diagnostics Software	8317915
Dräger Alcotest® for DOT KIT w/ 105L Dry Gas	4414143
Dräger Alcotest® 6820 for DOT (test unit, 2 batteries, hand strap)	8322655
Mouthpieces (box of 100)	6810690
Mobile Printer for DOT Applications	4415531
Printer Paper	4415520
Tamper Tape	4415509
Batteries	4401006
Large Seal Adapter	6809263
Regulator	6810693
Dry Gas 105L 0.04% BrAC Ethanol	4507062
Carrying Case	4415529
Diagnostics Software	8317915
USB cable for downloading data	8319715
DOT Forms	4401004
Non-DOT Forms	4401019
CAL /ACC Check	4414158

Alcohol and Drug Testing

Dräger Alcotest® 6820 for DOT

Test method	Electrochemical Dräger sensor for 1/4" technology; alcohol specific
Test range	0 to 0.500 % BAC; display indication when exceeding test range
Sampling	Standard: automatic sampling when minimum volume is reached Manual triggering of sampling possible
Ready for use	Approx. 4 s after powering up
Test result display	Approx. 3 s (with 0 mg/l), 10 s (at 0.5 mg/l, room temperature)
Operating temperature	-5 to +50 °C; +23 to +122 °F
Display	3 colors to indicate messages or alerts
LED	Class ≤ 1.0 according to DIN EN 837
Acoustic alarms	Different signal tones indicate various messages and alerts
Memory	Space for saving the last 1,900 tests with test number, date and time (ability to recall last 250 on device)
Power supply	Two AA batteries or NiMH batteries, battery indicator on the display Around 1,500 breath tests can be conducted with one set of batteries Recharging of NiMH batteries is possible in device
Calibration	Wet gas or dry gas calibration
Dimensions (H × W × D), weight	5.79 in × 2.56 in × 1.53 in (147 mm × 65 mm × 39 mm); approx. 0.57 lbs
Device configuration	Device settings configurable directly via device menu (PIN required) No additional PC software required
Vibration and impact	Meets EN 60068-2-6, EN 60068-2-27, EN 60068-2-64, MIL-STD 810F
CE marking	EMC Directive
Data interfaces	USB to PC; optical interface for printer control
Standard	Meets EN 15964 and is listed on NHTSA CPL for Evidential Breath Testers
Protection class	IP54; protection against dust and water

Alcohol and Drug Testing



Dräger Alcotest® 7000

Alcohol breath device for mass screening

The Dräger Alcotest® 7000 sets new standards in alcohol test devices. Its benefits include a wider temperature and measuring range, low maintenance requirements and various networking options. In addition, the device can perform alcohol tests via both a mouthpiece and a funnel. Reliable alcohol tests have never been so fast, simple, hygienic and efficient.

Alcohol and Drug Testing

Dräger Alcotest® 7000

Dräger Alcotest® 7000 – Standard LE version Testing Device with alkaline batteries, three mouthpieces, wrist strap, Bluetooth®, USB C cable, calibration certificate	NA10958
Dräger Mobile Printer BT	6811562
Mouthpieces – package of 100	6810690
Mouthpieces – package of 250	6810825
Mouthpieces – package of 1,000	6810830
Mouthpiece with one-way/non-return valve – package of 100	6811055
Mouthpiece with one-way/non-return valve – package of 250	6811060
Mouthpiece with one-way/non-return valve – package of 1,000	6811065
Hygienic flow funnel, package of 10; individually, hygienically packed	8327718
Alkaline battery (AA, 1.2 V) – 3 batteries required	4401006
Paper rolls, thermal, 10-year non-adhesive (pack of five rolls)	8319002
USB-C cable	3700418
Regulator, push button, 14lpm	4414005
Large Seal Adapter	6809263
Compressed dry gas cylinder 105L, 0.080%	4401032
Compressed dry gas cylinder 105L, 0.100%	4401036
Storage Bag - soft-sided, medium	3714802

Alcohol and Drug Testing

Dräger Alcotest® 7000	
Detection basis	Electrochemical DrägerSensor®, 1/4" technology, alcohol-specific
Measurement range	Breath alcohol concentration: 0 to 0.63 % BrAC (Ethanol mass per minimum volume at 93 °F and 1,013 hPa) Visual signal when measuring limits are exceeded
Sample collection	Default: Automatic sample collection when minimum volume or predefined blowing time is reached; Passive sampling or manual triggering of sampling possible
Start-up time	Approx. 3 seconds after switching on (depending on configuration)
Display of test results	After approx. 3 seconds at 0.0 % BrAC After approx. 10 seconds at 0.1 % BrAC
Ambient operating conditions	+14 °F to +131 °F; 10 to 100 % relative humidity (non condensing); 600 to 1,300 hPa
Ambient conditions during storage	-4 °F to +140 °F; 15 to 75 % relative humidity (10 to 100% relative humidity <48 h); 600 to 1,300 hPa
Display	QVGA TFT color display 320 x 240 2.4"
LEDs	tricolor LEDs to help display results and warning messages
Acoustic signals	Various signal tones to support display and warning messages
Memory	Store the last 10,000 tests (software can be modified on request to offer even more storage space)
Energy supply	Alkaline version (3 x 1.5 V primary cell (Mignon, LR06, AA)). Charge status shown in display; one charge/battery change is sufficient for up to 1,500 breath tests (alkaline version).
Mouthpiece receptacle	The Slide 'n' Click mouthpiece or Alcotest® funnel mounts on either side
Mouthpiece	Hygienic, individually packaged with tamper-proof, non-closing air outlet Mouthpiece ejector and spacer between mouth and device housing
Funnel	Hygienic, individually packaged with air outlets for minimizing back-flow of expired air
Operating design	Measuring functions can be performed with one button; Navigation in menu with two menu buttons
Test for accuracy	Recommended interval of 12 months Wet gas or dry gas calibration;
Casing	Impact-resistant ASA/PC
Dimensions (W x H x D), Weight (including batteries)	2.4 in x 6.8 in x 1.4 in A7000 AA: 10.1 oz
Vibration and impact resistance	EN 60068-2-27, EN 60068-2-6; EN 60068-2-64
CE mark	Electromagnetic compatibility
Standards	EN 15964, NHTSA, Australian Standard, FDA conformity, depending on configuration
Internal clock	Warning or switch-off after expiration of calibration period (depending on configuration)
IP protection class	IP 54
Interface	USB-C
Bluetooth®	Bluetooth® Low Energy 5.0
GPS	Optional



Dräger DrugTest 5000 Drug Testing Device

The Dräger DrugTest 5000 system is a fast, accurate means of testing oral fluid samples for drugs of abuse, such as amphetamines, designer amphetamines, opiates, cocaine and metabolites, benzodiazepines, cannabinoids, and methadone. The analyzer offers easy data management with the Dräger Diagnostics Software.
FOR LAW ENFORCEMENT USE ONLY.

Alcohol and Drug Testing

DrugTest 5000			
Description	IVD/ Standard	Packaging unit	Order code
Analyzer incl. Power Supply (83 15 675) and 12 V car cable	IVD	1 Analyzer	8319900
Analyzer incl. Power Supply (8315675)	IVD Standard	1 Analyzer	8323605
Test-Kits for 8 Substances* COC, OPI, BZO, THC, AMP, MET, MTD, KET	IVD Standard	20 pieces	8323646 3706092
Test-Kits for 7 Substances* COC, OPI, BZO, THC, AMP, MET, MTD	IVD Standard	20 pieces	8323156 8323636
Test-Kits for 6 Substances* COC, OPI, BZO, THC, AMP, MET	IVD Standard	20 pieces	8319830 8319965
Test-Kits for 5 Substances *COC, OPI, THC, AMP, MET	IVD Standard	20 pieces	8323439 8321350
Test-Kits for Training (6 Test-Kits each) Training Test-Kit (3 x Positive; 3 x Negative)		6 pieces	8323640
Dräger SSK 5000		20 pieces	8320490
Compact keyboard, German keyboard layout ("QWERTZ")		1 piece	8315095
Compact keyboard, English keyboard layout ("QWERTY")		1 piece	8315497
Compact keyboard, French keyboard layout ("AZERTY")		1 piece	8315142
Barcode reader		1 piece	AG02491
Dräger Mobile Printer		1 piece	8319310
Carrying case for DrugTest 5000 Analyzer and accessories		1 piece	8322675
Hard shell carrying case for DrugTest 5000 Analyzer		1 piece	8325333
*COC: Cocaine – *OPI: Opiates – *BZO: Benzodiazepines – *THC: Cannabis – *AMP: Amphetamine – *MET: Methamphetamines – *MTD: Methadone – *KET: Ketamine			

Alcohol and Drug Testing

DrugTest 5000

Operating voltage	12 V direct voltage (via supplied power pack)
Power input	normally 3 A
Dimensions (W x H x D)	200 x 260 x 250 mm
Weight	4.5 kg
Operating range	Operation: 4 °C to 40 °C Storage / transportation: -20 °C to +60 °C relative humidity 5 to 95 % (non-condensing)
Ports	optical for printer, PS/2, USB Slave
Time of measurement	depending on used test kit (typically < 9 minutes) optional: Analysis in < 5 minutes by increasing the THC cut-off to 25 ng/ml (after updating the device software)
Storage capacity	500 records or measurements
Licenses/Standards	Licensed as a medical product within the EU in accordance with Directive 98/79/EC on in vitro diagnostic medical devices (IVD). Outside of the European Union for non-medical use (Standard) or for forensic use (UKCA-Conform).
Intended medical use	The Dräger DrugTest 5000 testing system consists of the Dräger DrugTest 5000 Analyzer and the Dräger DrugTest 5000 Test Kits. This system is designed for the simultaneous qualitative detection of substances or substance classes in human saliva for diagnostic purposes (in vitro diagnostics) and forensic use. The detectable substances are defined by the specific DrugTest 5000 Test Kit used. The Dräger DrugTest 5000 is a qualitative testing method that detects target substances or their metabolites in a sample above a specified threshold concentration (cut-off), and therefore only provides a preliminary analytical result (screening procedure). To obtain a confirmed analytical result, a more specific method must be applied. The preferred method is generally gas chromatography/mass spectrometry (GC/MS). A professional evaluation of the Dräger DrugTest 5000 result must consider the broader clinical context of the individual being tested. This is particularly important in the case of a preliminary positive result.

Workshop Solution & Breathing Gas Supply

Test Equipment

Quaestor 6000	234
Quaestor 8000	237
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RZ 7000	243

Filling Station for Oxygen Cylinders

DOB 200 ECO	245
Oxygen Booster DOB-H	247

Cleaning, Disinfecting and Drying

Neutral Disinfectant Cleaner	249
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Dräger Quaestor 6000 Test Equipment

All static and dynamic tests of the Dräger Quaestor 6000 take place semi automatically as a sophisticated combination of personal handling and automated control during the test sequence. The software supports you with intuitive user guidance.

Workshop Solution & Breathing Gas Supply

Dräger Quaestor 6000

Dräger Quaestor 6000 Standard NA	PC-supported semi-automatic test instrument for the testing of full-face masks, chemical protection suits and compressed air breathing apparatus	R63160
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Optional accessories

Filling nozzle cpl., Minimesse® (f) – 8 mm		3717557
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Minimesse® hose 1.5 m (female-female)		3717558
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For the version Minimesse® hose 3717558 one of following HD adapters must be ordered additionally:

HP adapter 4500 psi, Minimesse (male) - CGA 347		3717565
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HP adapter 300 bar, Minimesse® (AG) – 8 mm		3717567
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Dräger QSI-Box	Used for the sound insulation of the low pressure warning	R58382
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Compressed air breathing apparatus holder	Used during the test to keep the compressed air breathing apparatus upright	3716663
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Gauge holder	Used for the easy positioning of the pressure gauge or Dräger Sentinel on the test device	3719538
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MP hose 500 mm extension	To extend the connection from the medium pressure inlet to the medium pressure hose of the compressed air breathing apparatus	R57999
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2216 Module		3731941
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Transport Case		3712635
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Barcode-labels 30 x 13mm (outside)		AG02395
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Barcode-labels 30 x 13mm (inside)		AG02396
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Barcode-labels 22 x 8mm (outside)		AG02551
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Hose set CPS-Test (suit with 2 valves)		R61886
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Hose set CPS-Test (suit with 1 valve)		R61887
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Transponder reader		6559283
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Minimesse® is a trademark owned by Hydrotechnik GmbH.

Workshop Solution & Breathing Gas Supply

Dräger Quaestor 6000

Dimensions with test head (D x W x H)	50 x 55 x 65 mm / 19.7 x 21.7 x 25.6 in
Weight (fully equipped with test head)	19.4 kg / 42.8 lb.
Permitted temperature (storage)	from -30 °C to 60 °C / -22 °F to 140 °F
Permitted temperature (operation)	from 0 °C to 40 °C / 32 °F to 104 °F
Permitted air pressure	800 to 1,200 hPa / 22.6 to 35.4 inHg
Permitted humidity	30 to 90 % rel. humidity
Compressed air supply	Buffer bottle or pipework 300 bar/4500 psi stainless steel pipe
Pressure sensor accuracy	Class ≤ 1.0 according to DIN EN 837
Pressure ranges	High pressure 0...350 bar / 0...5000 psi
	Medium pressure 0...25 bar / 0...300 psi
	Low pressure -40...+30 mbar
External cable connections	1 x USB interface to the PC
	1 x 24 V power adapter for 110/230 V power supply
Breathing frequency of the artificial lung	5 to 40 strokes/min
Maximum breathing volume	136 l/min
Tidal Volume	max. 3.4 l



Dräger Quaestor 8000 Test Equipment

All static and dynamic tests of the Dräger Quaestor 8000 are carried out fully automatically. Controlled by the proven Protector software, each test is carried out intuitively. For you, this guarantees high efficiency through comfort and speed.

Workshop Solution & Breathing Gas Supply

Dräger Quaestor 8000

Dräger Quaestor 8000 Standard NA	PC-supported semi-automatic test instrument for the testing of full-face masks, chemical protection suits and compressed air breathing apparatus	R63260
Dräger Quaestor 8000 CCBA NA	PC-supported fully-automatic test instrument for the testing of full-face masks, chemical protection suits, compressed air breathing apparatus and closed circuit breathing apparatus	R63290

Optional accessories

Filling nozzle cpl., Minimesse® (f) – 8 mm		3717557
Minimesse® hose 1.5 m (female-female)		3717558
For the version Minimesse® hose 3717558 one of following HD adapters must be ordered additionally:		
HP adapter 4500 psi, Minimesse (male) - CGA 347		3717565
HP adapter 300 bar, Minimesse® (AG) – 8 mm		3717567
Dräger QSI-Box	Used for the sound insulation of the low pressure warning	R58382
Compressed air breathing apparatus holder	Used to position the compressed air breathing apparatus upright during the test	3716663
Hose set CPS-Test (suit with 2 valves)		R61886
Hose set CPS-Test (suit with 1 valve)		R61887
Barcode-labels 30 x 13mm (outside)		AG02395
Barcode-labels 30 x 13mm (inside)		AG02396
Barcode-labels 22 x 8mm (outside)		AG02551
Transponder reader		6559283

Minimesse® is a trademark owned by Hydrotechnik GmbH.

2216 Module	3731941
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Workshop Solution & Breathing Gas Supply

Dräger Quaestor 8000

Dimensions with test head (D x W x H)	50 x 55 x 65 mm / 19.7 x 21.7 x 25.6 in
Weight (fully equipped with test head)	21.75 kg / 48 lb
Permitted temperature (storage)	from -30 °C to 60 °C / -22 °F to 140 °F
Permitted temperature (operation)	from 0 °C to 40 °C / 32 °F to 104 °F
Permitted air pressure	800 to 1,200 hPa / 22.6 to 35.4 inHg
Permitted humidity	30 to 90 % rel. humidity
Compressed air supply	Buffer bottle or pipework 300 bar/4500 psi stainless steel pipe
Pressure sensor accuracy	Class ≤ 1.0 according to DIN EN 837
Pressure ranges	High pressure 0...350 bar / 0...5000 psi
	Medium pressure 0...25 bar / 0...300 psi
	Low pressure -40...+30 mbar
	Low pressure -70...+30 mbar (diving)
External cable connections	Flow O ₂ for 1 – 3 l/min (CCBA)
	1 x USB interface to the PC
	1 x 24 V power adapter for 110/230 V power supply
Breathing frequency of the artificial lung	1 x connection for external microphone
Maximum breathing volume	5 to 40 strokes/min
Tidal Volume	136 l/min
	max. 3.4 l



Dräger Testor 2500

Test Equipment

The Dräger Testor 2500 is a compact, versatile test unit for the static tests of your breathing protection equipment. Testing is reliable, easy, and convenient. The compact design enables it to be integrated smoothly into any breathing protection workshop.

Workshop Solution & Breathing Gas Supply

Dräger Testor 2500

Dräger Testor 2500	Consisting of: Basic device and IFU	R62950
Dräger Testor 3500	Consisting of: Basic device, USB cable, IFU and Dräger Protector Software	R62970

Accessories

Workbench fixture		R62968
Adapter P	(for LDV)	R62954
Adapter AE	(for LDV)	R62955
Adapter RD	(for LDV)	R62956
Adapter ESA	(for LDV)	R62959
Mask-helmet adapter		R58116
Inside barcode labels, small 22 x 8 mm, 500 per roll	(for inside adhesion, e.g. in mask glass)	AG02550
Outside barcode labels, small 22 x 8 mm, 500 per roll	(for outside adhesion, e.g. on housing)	AG02551
Inside barcode labels, large 30 x 13 mm, 500 per roll	(for inside adhesion, e.g. in mask glass)	AG02396
Outside barcode labels, large 30 x 13 mm, 500 per roll	(for outside adhesion, e.g. on housing)	AG02395
Double roll for AG02395	1,000 per roll, each number twice, e.g. for hose connections	6533971
Standard barcode reader	cable connection, IP42	AG02491
Standard wireless barcode scanner	wireless up to 12 m, IP42	AG02816
Scanner Zebra DS3678-SR		3736820
Transponder reader for Transponder 125 KHz (NF)	e.g. FPS® 7000 full face mask; connection via USB port	6559283
CPS set for suits with one valve		R61887
CPS set for suits with two valves		R61886
MP hose 1,000 mm extension		R61898
MP hose 500 mm extension		R57999
Bag for test device		R63099

Workshop Solution & Breathing Gas Supply

Dräger Testor 2500

Dimensions

(D x W x H)	300 x 515 x 335 mm
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Weight

Dräger Testor 2500	5.5 kg
Dräger Testor 3500	6.0 kg

Environmental operating conditions

Temperature	+10 to 40 °C
Air pressure	850 mbar to 1,400 mbar
Rel. humidity	max. 70 %

Compressed air supply

Compressed air supply	4 to 10 bar
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Medium-pressure manometer

Measurement range	0 to 10 bar
Scale division	0.5 bar
Measurement precision	1.6% from end value

Low-pressure manometer

Measurement range	-15 / 0 / +25 mbar
Scale division	0.5 mbar
Measurement precision	1.0% from end value

Timer

Display	LCD
Pre-selected measuring time	1 s to 99 min



Dräger RZ 7000 Test Equipment

Easy to use: With the Dräger RZ 7000 you can carry out the function and leak tests of the Dräger PSS® BG 4 plus easier and faster than ever before.

Workshop Solution & Breathing Gas Supply

Dräger RZ 7000	Order No.
Dräger RZ 7000	R62500
Accessories for testing	
Adapter for testing face masks and individual components	R62599
Adapter for sealing face mask	R53345
USB cable	8318469
Car charger cable	8320252
Test head	R62581
Bench mounting fixture	R62561
Dräger Protector Software	8321598
PSS® BG 4 plus test-kit	R33777
BG ProAir Test Set	3722266

Dräger RZ 7000	
Measurement range for pressure	30 mbar to -30 mbar
Measurement precision	±1% of end value
Measurement range for volume flow	0,5 L/min to 4 L/min
Measurement precision	5% of measurement precision
Internal test volume	500 ml
Supply voltage	100– 240 V (50– 60 Hz)
Car charger	12 V
Battery	Lithium ion
Degree of protection	IP54 (with locked lid)
Weight	8.3 kg / 18.3 lbs (incl. power supply unit w/o IFU)
Dimensions	W x H x D: 470 x 357 x 176 mm / 1ft 7in x 1ft 2in x 0ft 7in
Scope of supply	Power supply unit, instruction for use



Dräger DOB 200 ECO

Filling station for oxygen cylinders

Discover the Dräger DOB 200 ECO: A highly mobile, efficient filling station for all common oxygen cylinders. Its compact design with rolling wheels makes it easy to transport, while the robust housing protects contents from damage. The simple and automated filling procedure saves both time and effort.

Workshop Solution & Breathing Gas Supply

Dräger Oxygen Booster (DOB) 200 ECO	
DOB 200 ECO CA/US	6923190
Filling panels	
G3/4a-CGA540i(4x)	6905281
G3/4a-W21,8xi(4x)	6905282
G3/4a-CGA540i(6x)	6924948
G3/4a-W21,8xi(6x)	6924949
Supply Hoses	
1.5 m / CGA540 female – G3/4 female	6568198
1.5 m / W21,8 female – G3/4 female	6568201
3 m / CGA540 female – G3/4 female	6568255
3 m / W21,8 female – G3/4 female	6568202
5 m CGA540i-G3/4i	6568200
5 m W21,8xi-G3/4i	6568203
Supply hoses with other connections are available upon request.	
Connection hose to the filling panel	
Hose O ₂ PS 220 0,7 m G3/4i-G3/4i	6904969
A complete system requires: DOB ECO 200, Filling Panel, Supply hose and Connection hose.	
Spare parts	
DOB 200 ECO 2 y	6905297
DOB 200 ECO 5 y	6905298

Dräger Oxygen Booster (DOB) 200 ECO	
Weight (incl. filling panel)	78 kg / 172 lb (Type B)
Dimensions (W x H x D) 8inches	800 x 581 x 482 mm / 31.5 x 22.9 x 19.0
Operation noise	72.5 dB (average)
Max. operating pressure (Type B)	241 +5 bar / 3,500 +72.5 ps
Temperature range	-15 °C to +40 °C / +5 °F to +104 °F
Connections	G3/4 external thread
Supply performance	min. 70 NL/min
Medium	O ₂ or with O ₂ enriched breathing air
Power supply (Type B)	
Motor variant 4	115 V / ~ 60 Hz



Dräger Oxygen Booster DOB-H

Oxygen Filling Pump

Small, sturdy and effective: the mobile Dräger Oxygen Booster DOB-H, a single-stage, dual-action piston pump, is indispensable in all situations where high-pressure oxygen is needed in apparatus cylinders but no power source is available.

Workshop Solution & Breathing Gas Supply

Dräger Oxygen Booster DOB-H	Order No.
Oxygen Booster DOB-HT 200 (portable, G 3/4, PN 200 bar) Incl. plastic case and high pressure hose (PN: 6531046)	6531300
High pressure hose, 0.3 m-G 3/4	6531049
High pressure hose, 1.5 m-G 3/4	65 31046
High pressure multiple port hose 0.3 m-G 3/4	6531063
Tool Bag, Complete	6530986
Spare set DOB H 5 y	6598774

Dräger Oxygen Booster DOB-H	
Nominal pressure (psi / bar)	2900 / 200 + 10 %
Max. operating pressure (psi / bar)	3190 / 220 positive pressure
Drive	Manually operated
Pump	Dry run double plunger compressor
Filling connection	Standard connection acc. to DIN 477 G 3/4 for oxygen
Weight (lb / kg)	approx. 110 / 50
Dimensions of container (L x W x H in in)	DOB-HT 200, approx. 34 x 22 x 13

Workshop Solution & Breathing Gas Supply



Neutral Disinfectant Cleaner Cleaning, Disinfecting and Drying



A multipurpose, neutral pH, disinfectant detergent and deodorant approved by Dräger for use with our FPS® and PSS® products.

Workshop Solution & Breathing Gas Supply

Neutral Disinfectant Cleaner	Order No.
Neutral Disinfectant Clean-CAN, 9.46L	4000015
Hand pump for Neutral Disinfectant Cleaner-CAN (Reusable). Maximum Order of 3	4000020

Neutral Disinfectant Cleaner	
Volume	9.46L (2.5 gallons)
Dimensions without hand pump (L x W x H)	29.21 cm x 13.97 cm x 30.48 cm (11.5" x 5.5" x 12")
Dimensions with hand pump (L x W x H)	34.29 cm x 13.97 cm x 43.18 cm (13.5" x 5.5" x 17")
Storage Temperature	0 °C to 50 °C (32 °F to 122 °F)
Product dilution information:	Up to 2 oz/gal or 15.6 mL/L in water
DIN	02342820

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Respiratory products from Dräger



Protection that goes beyond your mask

Dräger is synonymous with professional respiratory protection world-wide. We not only offer a complete range of compatible air purifying respiratory protection products but are your partner when it comes to questions regarding occupational safety and health.

Dräger is always the right partner – not only when it comes to masks, filters, compressed airline systems, self-contained breathing apparatuses and escape devices, but also a world-wide sales and service network – Dräger is able to offer you the most extensive support available.

This includes support in service, maintenance, repair and cleaning of the Dräger products as well as the speedy supply of spare parts – no matter where you are. In addition, the Dräger Safety Academy offers an extensive training program. Competent advice for the correct use of filters or for the selection of a suitable respiratory protection is certainly also part of our comprehensive service portfolio.

Our high demands on quality and service as well as the alignment with the needs of our customers result in durable products for your daily working routine. Pursuant to this our long-term product concepts guarantee reliable fulfilment of demands and spare parts supply in the future.

All this makes Dräger a reliable partner of the industry in every respect. On your request we develop comprehensive safety concepts and solutions far beyond the individual products. This can also include financing solutions, as leasing and financing are a part of our service portfolio. This is a part of our integral service concept.

Did you expect anything less from Dräger?

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Terms & Conditions

1. Scope of Application, General

- 1.1 Any delivery of goods and provision of services (hereinafter collectively "Goods") by Dräger* to the Customer, with the exception of construction works shall be subject to these General Terms and Conditions ("GTC") set forth herein. These GTC form a constituent part of all offers, orders and agreements between Dräger and the Customer.
- 1.2 Deviating terms and conditions - unless agreed to in writing - do not apply. Dräger and the Customer may agree to terms and conditions deviating from these GTC, such terms shall then have priority over these GTC. These GTC apply even if Dräger provides the Goods with knowledge but without actual acceptance of deviating terms and conditions of the Customer.
- 1.3 Dräger provides construction works in accordance with the German Standard Building Contract Terms, Part B (Verdingungsordnung für Bauleistungen, Teil B - "VOB/B"). The VOB/B shall be supplemented in a subordinate manner by Sections 2.2, 3, 4, 6 and 11 to 13 of these GTC.

2. Scope of Performance

- 2.1 Offers by Dräger shall always be non-binding. Orders shall be deemed accepted only if Dräger confirms same or carries out the order.
- 2.2 The offer by Dräger shall govern the scope of performance. Statements as to weight and measurements in brochures and offers are according to best knowledge but are not guaranteed properties (Beschaffenheitsgarantie). The right to reasonable performance and construction modifications is reserved. The functions of software shall be limited to the description in the performance specifications. To the extent reasonably acceptable to the Customer Dräger may use components that are as good as new or that have been rendered as good as new.
- 2.3 Technical norms serve as performance specification only, provided Dräger does not expressly provide a guarantee in the form of a full guarantee for compliance with such technical norm. Guarantees as to properties (Beschaffenheitsgarantie) or shelf life (Haltbarkeitsgarantie) must be in writing.
- 2.4 Dräger shall retain, without limitation, any and all ownership rights, copyrights and industrial property rights in drawings, technical documents and other data, information and documentation in material or immaterial form, including in electronic form; these may not be disclosed to third parties without written consent.
- 2.5 In case of resale of Goods the Customer is responsible to comply with all applicable export rules and regulations. The Customer shall defend and indemnify Dräger from all costs and claims based on the violation of export rules and regulations by the Customer."

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