

Dräger X-am® 8000 Multi-Gas Detection Device

Clearance measurement was never this easy and convenient: The Dräger X-am® 8000 measures up to seven toxic as well as flammable gases, vapours and oxygen all at once — either in pump or diffusion mode. Innovative signalling design and handy assistant functions ensure complete safety throughout the process.

Switch easily between pump and diffusion mode

Impact detection informs you to severe mechanical stresses

Assistants for clearance measurement, leak detection, and benzene-specific testing with the PID (pre-tube)

Optional Bluetooth®** module to connect with the CSE Connect app for Android

Glowing green D-light (optional) indicates: tested and ready for use

Five slots for DrägerSensors® to measure up to seven gases, two new high-performance PID sensors

Easy-to-read colour display with zoom function

Inductive charging



D-6401-2017

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

Benefits

Specially designed for use with a pump, optimised for your requirements

The Dräger X-am® 8000 is equipped with a very powerful pump. It can be connected with hoses of up to 45 metres in length. A pump adapter makes it easy to switch between diffusion and pump mode at any time. This means the pump is only operated when you actually need it. That saves energy, reduces wear and tear, and thereby extends the lifespan of the pump.

Handy and durable, the Dräger X-am® 8000 is intuitive to operate single-handedly using three function keys. The easy-to-read colour display clearly lays out all the information for you.

Standard accessories include a sturdy shoulder strap, so you can comfortably carry the X-am 8000. Thanks to its compact and robust construction, the device can withstand even the harshest conditions.

Clearance measurement, release and documentation in no time

The X-am 8000 effectively supports various applications with specially developed assistant functions that guide you through each process step by step. During clearance measurement, for example, the smart assistant calculates the necessary flooding time for the device and probe (FKM hose) based on parameters such as measuring gases, temperature limits, and the indicated hose length.

When monitoring for high methane concentrations, an optional automatic measurement range switch makes it easier to take a reading: if the Cat-Ex sensor measures values above 100% LEL, the display switches to the range of 0 to 100 vol%.

An additional useful tool is CSE Connect. It combines an Android app, specially designed for the X-am 8000, with a cloud-computing solution. Measuring jobs can be quickly and easily transferred to the app using an online application. An optional Bluetooth® module in the Dräger X-am 8000 enables measured values to be transferred automatically to the CSE Connect app. You can also easily and conveniently use the app to create measurement reports. This saves time and helps you manage your measuring tasks during clearance measurements more efficiently.

Clear signalling design

The signal system of the Dräger X-am 8000 is based on a clear colour code:

- Red light = gas alarm
- Yellow light = device-related alarm, e.g. low battery
- Green light = device is ready for use

The green glow of the D-light allows you to see from a distance whether the device has been properly tested and is ready for use.

In case of an alarm, the X-am 8000 alerts you with colourful alarm LEDs, a loud horn (100 dB(A) at a distance of 30 cm), and clearly palpable vibration. Optionally, four preset hazard symbols are available for the display

Benefits

which explicitly indicate the presence of explosive or toxic gas hazards, for example. This allows the user to easily recognise the type of hazard based purely on the symbol displayed.

The X-am 8000 is equipped with an impact detection system. The event report indicates whenever severe mechanical impacts have occurred that might result in functional impairments of the device or the sensors. These are also documented in the data logger.

Economical Fleet Management

Bump test and calibration are carried out simply and quickly using the Dräger X-dock® calibrating station. Its low test gas consumption keeps operating costs to a minimum.

Its reporting function and numerous other useful features make the X-dock Manager PC software a smart addition to any fleet management operation. To identify the devices in the fleet, you can either use tried and tested barcodes or an integrated RFID transponder.

Specialist for high and low hydrocarbon concentrations

To measure hard-to-detect hydrocarbons, you can fit the Dräger X-am 8000 with one of two high-performance PID sensors. The PID HC covers a measurement range of 0 to 2,000 ppm (Isobutene). The PID LC ppb is particularly suited for a measurement range of 0 to 10 ppm (Isobutene) with a low resolution in the range below 1 ppm.

For benzene-specific measurements, the X-am 8000 can be used with a pre-tube. The advantage: you only need one measuring device for this application, which significantly reduces the costs of purchasing, maintaining and transporting devices in use. The use of the pre-tubes is supported by a built-in assistant.

Inductive charging protects against wear and tear

The X-am 8000 features inductive charging. This makes it easier to operate and increases the lifespan of the device. Issues like corrosion and contact problems in the charging cradle are a thing of the past. You can charge (outside of explosion-hazard zones) and measure at once, e.g. when in use inside vehicles or on machinery.

The charging cradle can connect with one another, taking up minimal space, and are compatible with existing Dräger X-am® series cradles.

Details



D-6494-2017

Shoulder strap



D-14394-2017

Pump adapter



D-6553-2017

Pre-tube holder

Comparison of Dräger X-am® 3500 and Dräger X-am® 8000

Features	Dräger X-am® 3500	Dräger X-am® 8000
Number of measuring gases	1 to 4	1 to 7
Internal pump, activation with pump adapter	Yes	Yes, optional
Inductive charging	Yes	Yes
Customer-specific settings when ordering	No	Yes
Shoulder strap included as standard	No	Yes
Catalytic bead sensor DrägerSensor® CatEx 125 PR	Yes	Yes, configurable
Electrochemical (EC) DrägerSensors®: XXS O ₂ , XXS CO LC, XXS H ₂ S LC, XXS NO ₂ , XXS SO ₂	Yes	Yes, configurable
Electrochemical (EC) DrägerSensors®: other sensors/special gases	No	Yes, configurable
Infrared (IR) DrägerSensors® Dual IR Ex/CO ₂ , IR-Ex, IR-CO ₂	No	Yes, configurable
Photoionisation detector (PID) DrägerSensors®: PID HC, PID LC ppb	No	Yes, configurable
Automatic measurement range switching for the catalytic bead sensor, catalytic bead sensor, measuring gas: methane	No	Yes, configurable
Assistant: Confined Space, Leak Search, Benzene/Pre-Tube	No	Yes, only when a pump is installed
Event report (incl. impact detection)	No	Yes, configurable
Bluetooth® ¹	No	Option

¹Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Accessories



D-6562-2017

Inductive charger

To charge the device inductively



D-6545-2017

Pedestal

To stand the device upright for area monitoring. The pedestal can be used with or without a shoulder strap.



D-6555-2017

Protective rubber boot

Prevents damage and wear in harsh environments. The protective boot can easily be replaced by the user.



D-6558-2017

Adhesive label

The adhesive label can have device-specific information inscribed on it, such as the sensor configuration.

Services



D-2331-2016

Product Service

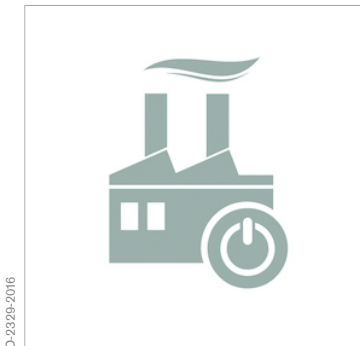
Our product service provides support with different service packages – in our workshops or directly on your premises. Care, maintenance and servicing are crucial for safety and reliability – but careful maintenance and care are a must, even when it comes to commercial considerations. Preventive checks, ongoing care and use of original replacement parts improve the longevity of your investment.



D-2335-2016

Training

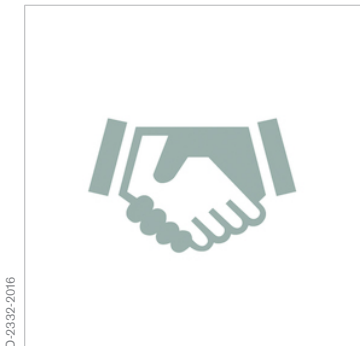
The Dräger Academy has shared its solid, practical knowledge for over 40 years. We hold more than 2,400 training courses each year, on a range of over 600 topics, with more than 110 authorised trainers. We equip your staff with practical knowledge and ensure that what they learn can be applied effectively, both day-to-day and, more importantly, whenever critical situations occur. We will be pleased to develop a customised training programme for you.



D-2329-2016

Shutdown Safety Service

In need of a comprehensive safety solution? Is there a long list of legal requirements you have to meet, and are you pressed for time? Balancing maximum efficiency with optimal security can pose major challenges. We can help you achieve that balance. Our Shutdown Safety Service is a solution that takes into account all the necessities of downtime and especially your individual requirements.



D-2332-2016

On-site Safety Service

Whether through a rental shop, personnel services or comprehensive safety management, our On-Site Safety Services provide support in all projects where there are particular safety risks – not to mention normal day-to-day business.

Technical Data

Dimensions (H x W x D)	179 x 77 x 42 mm	
Weight	Approx. 495 g, depending on sensor configuration, without strap, without pump Approx. 550 g, depending on sensor configuration, without strap, with pump	
Housing	Durable two-component housing	
Display	High-contrast colour display	
Temperature	-20° C to 50° C	
Pressure	700 to 1,300 hPa	
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(A) at 30 cm
	Vibration	
Ingress protection class	IP 67	
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
	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	12 MB, e.g. at 10 minutes per hour of gas exposure with measuring values changing by the second on all 7 channels: approx. 210 hours	
Pump operation	Max. hose length 45 m	
Approvals	ATEX / IECEx	I M1, II 1G Ex da ia I Ma, Ex da ia IIC T4 Ga Metrological approval pending
	cCSAus (Please contact Dräger regarding availability.)	Class I, Zone 0, AEx da ia IIC T4 Ga C22.2 No. 152, ANSI-ISA 12.13.01:2000
	CE labelling	
	MED / DNV GL (Please contact Dräger regarding availability.)	
Warranty	3 years for the device	
	1 year for the power supply	
	Sensors: see DrägerSensor® & Portable Instruments Handbook	

Ordering Information

Dräger X-am® 8000	83 25 800
consists of:	
Device with power supply (Lithium-ion battery), data logger, shoulder strap, manufacturer's certificate, certificate of calibration, and charger (optional). A fully functioning device requires up to 5 sensors and an optional integrated pump. Instruction for use included as standard in the following languages: DE, EN, FR, ES, PT, IT, NL, RU, ZH, JA	
Free 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	90 33 656
Technical handbook available in the following languages: DE, EN, FR, ES, RU	Available to download from the product website.

Ordering Information

Selectable device options when ordering	Integrated pump with pump adapter
	Bluetooth® module
	RFID transponder
	(The charging cradle/power plug can be deselected during the ordering process.)

Slot 1:	Slot 2:	Slots 3-5:
PID or IR sensor	IR or CatEx sensor	Electrochemical sensors (XXS format)

	Measuring range	Resolution	Order No.
Cat-Ex 125 PR ^{1, 2}	0–100% LEL 0–100 vol% CH ₄	1% LEL	68 12 950
Cat-Ex 125 PR Gas ¹	0–100% LEL 0–100 vol% CH ₄	1% LEL	68 13 080
Dual IR Ex/CO ₂ ¹	0–100% LEL 0–100 vol% CH ₄ 0–5 vol% CO ₂	1% LEL 0.2 vol% 0.01 vol% CO ₂ or 50 ppm CO ₂	68 11 960
IR Ex ¹	0–100% LEL 0–100 vol% CH ₄	1% LEL 0.2 vol%	68 12 180
IR CO ₂	0–5 vol% CO ₂	0.01 vol% CO ₂ or 50 ppm CO ₂	68 12 190
DrägerSensor® PID LC ppb (10.6 eV)	0.025–10 ppm Isobutene		68 13 500
DrägerSensor® PID HC (10.6 eV)	0–2,000 ppm Isobutene		68 13 475
DrägerSensor® XXS O ₂ ²	0–25 vol%	0.1 vol%	68 10 881
DrägerSensor® XXS O ₂ 100	0–100 vol%	0.5 vol%	68 12 385
DrägerSensor® XXS CO LC ²	0–2,000 ppm	1 ppm	68 13 210
DrägerSensor® XXS CO HC	0–10,000 ppm	5 ppm	68 12 010
DrägerSensor® XXS CO / H ₂ compensated	0–2,000 ppm CO	2 ppm	68 11 950
DrägerSensor® XXS H ₂ S LC ²	0–100 ppm	0.1 ppm	68 11 525
DrägerSensor® XXS H ₂ S HC	0–1,000 ppm	2 ppm	68 12 015
DrägerSensor® XXS CO LC / H ₂ S LC	0–2,000 ppm CO/ 0–100 ppm H ₂ S	1 ppm CO 0.1 ppm H ₂ S	68 13 280
DrägerSensor® XXS CO LC / O ₂	0–2,000 ppm CO/ 0–25 vol%	1 ppm CO 1 vol% O ₂	68 13 275
DrägerSensor® XXS NO	0–200 ppm	0.1 ppm	68 11 545
DrägerSensor® XXS NO ₂	0–50 ppm	0.1 ppm	68 10 884
DrägerSensor® XXS NO ₂ LC	0–50 ppm	0.02 ppm	68 12 600
DrägerSensor® XXS SO ₂	0–100 ppm	0.1 ppm	68 10 885
DrägerSensor® XXS PH ₃	0–20 ppm	0.01 ppm	68 10 886
DrägerSensor® XXS PH ₃ HC	0–2,000 ppm	1 ppm	68 12 020
DrägerSensor® XXS HCN	0–50 ppm	0.1 ppm	68 10 887
DrägerSensor® XXS HCN PC	0–50 ppm	0.5 ppm	68 13 165
DrägerSensor® XXS NH ₃	0–300 ppm	1 ppm	68 10 888
DrägerSensor® XXS CO ₂	0–5 vol%	0.1 vol%	68 10 889
DrägerSensor® XXS Cl ₂	0–20 ppm	0.05 ppm	68 10 890
DrägerSensor® XXS H ₂	0–2,000 ppm	5 ppm	68 12 370
DrägerSensor® XXS H ₂ HC	0–4 vol%	0.01 vol%	68 12 025

Ordering Information

DrägerSensor® XXS OV	0–200 ppm	0.5 ppm	68 11 530
DrägerSensor® XXS OV-A	0–200 ppm	1 ppm	68 11 535
DrägerSensor® XXS Amine	0–100 ppm	1 ppm	68 12 545
DrägerSensor® XXS Odorant	0–40 ppm	0.5 ppm	68 12 535
DrägerSensor® XXS COCl ₂	0–10 ppm	0.01 ppm	68 12 005
DrägerSensor® XXS Ozone	0–10 ppm	0.01 ppm	68 11 540

Sensors with five-year guarantee

DrägerSensor® XXS E CO	0–2,000 ppm	2 ppm	68 12 212
DrägerSensor® XXS E H ₂ S	0–200 ppm	1 ppm	68 12 213
DrägerSensor® XXS E O ₂	0–25 vol%	0.1 vol%	68 12 211

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

² A three-year warranty applies to these sensors. Legal rights accruing from defects remain unaffected.

Power supply unit

Energy supply (incl. back housing)	(included as standard)	83 26 817
------------------------------------	------------------------	-----------

Charging accessories

Inductive charger for charging 1 device	(Included as standard, deselectable)	83 25 825
Adapter for power plug	(Included as standard, deselectable)	83 25 736
Power plug for charging 2 devices		83 15 635
Power plug for charging 5 devices		83 16 994
Power plug 100-240 VAC; 1.33 A, for charging up to 5 devices	(Included as standard, deselectable)	83 21 849
Power plug 100-240 VAC; 6.25 A, for charging up to 20 devices		83 21 850
Vehicle connector cable 12/24 V for charging 1 device		45 30 057
Vehicle connector cable 12/24 V DC for charging up to 5 devices		83 21 855
Vehicle mount		83 27 636

Pump accessories

Dust and water filter for pump inlet	(included in device when pump option is selected)	83 19 364
Pump adapter	(included in device when pump option is selected)	83 26 820

Calibration accessories

Dräger X-am® 8000 calibration adapter		83 25 877
Dräger X-dock® Module Dräger X-am® 8000		83 21 893
Dräger X-dock® Module Dräger X-am® 8000+ charging		83 21 894
Dräger X-dock® 5300 (Dräger X-am® 8000) with Master		83 21 882
Nonane tester		83 25 861
Test gases		Please contact Dräger.

Accessories for measured value acquisition and configuration

Dräger CC Vision		Freeware (www.draeger.com/software)
Dräger GasVision Licence Key		83 25 646

Ordering Information

USB Dira Dongle / IR interface		83 17 409
Holder for USB Dira Dongle		83 25 859
Other accessories		
Protective rubber boot, removable		83 25 858
Leather case for the device		83 27 638
Transport case (empty)		83 27 661
Protective Display cover (set of three)		83 26 828
Shoulder strap (complete)	(included as standard)	83 26 823
Retractable lanyard		83 23 032
Holder for labels (on strap)	(included as standard)	83 26 824
Adhesive labels for individual inscriptions, for holder on strap, silver (set of 5)	(included as standard)	83 27 645
Pedestal for holding device upright, e.g. for area monitoring		83 25 874
Transponder reader for reading the integrated RFID transponder (optional)		65 59 283
Accessories for Photoionisation Detector (PID)		
Pre-tube holder		68 13 769
Pre-tube benzene (package, 10 units)		81 03 511
Pre-tube humidity (package, 10 units)		81 03 531
Pre-tube activated carbon (package, 10 units)		CH24101
Tube opener TO 7000		64 01 200
Leather case set for photoionisation detector, incl. Leather case for the device		83 27 639
PID lamp cleaning set		83 19 111
Probes and Hoses		
Telescopic probe 100	Connection for filter is included in SN 83 19 364 (Dust/Water Filter).	83 16 530
Telescopic probe 150, stainless steel	Connection for filter is included in SN 83 19 364 (Dust/Water Filter).	83 16 533
5 m FKM hose, 3.2 mm, with adapters		83 25 705
10 m FKM hose, 3.2 mm, with adapters		83 25 706
20 m FKM hose, 3.2 mm, with adapters		83 25 707
Float probe EPP, incl. 3 m hose, 3.2 mm		83 25 831
Float probe EPP, incl. 10 m hose, 3.2 mm		83 25 832
Float probe (transparent), with adapter		83 27 654
Additional probes, hoses and accessories are available from Dräger. Please contact us.		

Notes

Notes

Not all products, features, or services are for sale in all countries.
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

REGION DACH

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE

Dräger Safety AG & Co. KGaA
Revalstraße 1
23560 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA PACIFIC

Draeger Singapore Pte. Ltd.
25 International Business Park
#04-20/21 German Centre
Singapore 609916
Tel +65 6308 9400
Fax +65 6308 9401
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377-9100
Fax +507 377-9130
contactcsa@draeger.com

Locate your Regional Sales
Representative at:
www.draeger.com/contact

