

Ribble Enviro
...everything gas detection

Data Sheet

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Dräger X-am 5000 Multi-Gas Detector

The Dräger X-am 5000 belongs to a generation of gas detectors, developed especially for personal monitoring applications. This 1- to 5-gas detector reliably measures combustible gases and vapors as well as oxygen and harmful concentrations of toxic gases, organic vapors, Odorant and Amine.

Dräger X-am 5000

Safe gas entry
Gas entry from two sides

Visual alarm
360° visible alarm

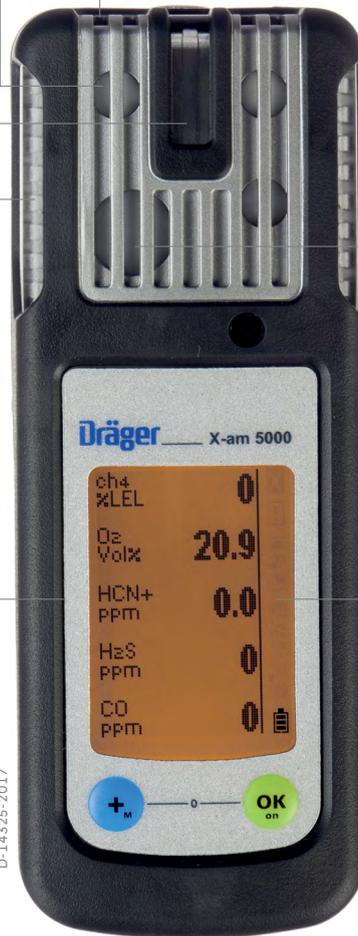
Crocodile clip
Secure attachment

DrägerSensors
Quick, precise, long service life

Robust design
Water and dust resistance in acc. with IP 67

Large display
All values at a glance

D-14325-2017



Benefits

Ergonomic design

Despite its advanced functionality, the Dräger X-am 5000's practical design and light weight make it comfortable to carry. Reduced to its essentials, the two button control panel and easy to follow menu allow for intuitive use.

Flexible sensor exchange

It is easy to exchange, upgrade or calibrate the sensors to other gases. The ability to customize the Dräger X-am 5000's sensors makes more applications possible, including rental equipment.

Poison-resistant Ex sensor

For improved safety when facing unknown and potentially explosive hazards – the Dräger X-am 5000 provides dependable warnings in the event of explosive atmospheres thanks to the high level of sensitivity of the innovative catalytic Ex sensor. It not only responds quickly to explosive gases and combustible organic vapors, but is also highly resistant against sensor poisons such as silicone and hydrogen sulfide. In combination with its long term stability this offers an extraordinary long expected sensor lifetime of more than 4 years. This reduces your operational costs.

Durable sensor technology

The Dräger X-am 5000 is equipped with powerful and durable Dräger sensors.

Robust and watertight

The Dräger X-am 5000 is water and dust resistant according to IP 67 standards. This means that the detector remains fully functional and ready for use even after being dropped into water. The integrated rubber protection and shock-proof sensors provide additional resistance to impact and vibration. Moreover, the Dräger X-am 5000 is resistant to electromagnetic interference.

External pump

The optional external pump, which operates with a hose up to 45 meters long, makes it possible to use the detector for pre-entry measurements into confined spaces such as tanks, shafts, etc. The pump starts automatically when the detector is attached.

Area monitoring

In combination with the Dräger X-zone 5500/5800 the gas detector can be used for various area monitoring applications. Up to 25 Dräger X-zone 5500/5800 units can be automatically interconnected to form a wireless fence line. This interconnection of the area monitoring devices allows fast securing of larger areas, e.g. pipelines or industrial tanks – even within the scope of industrial shutdowns.

Benefits

Optimum solutions for function or bump tests and calibrations

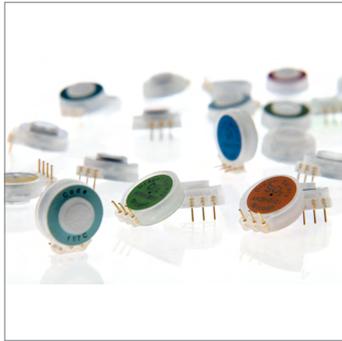
Simple, fast and professional: from a function or bump test to complete documentation, users can choose from a range of practical, on-site solutions that offer maximum safety for every application. The automatic test and calibration station Dräger X-dock and the Dräger Bump Test Station are ideal system extensions that save time and reduce workload. Fresh air, mixed gas and single gas calibrations can be done directly using the Dräger X-am 5000 menu.

Flexible power supply

The Dräger X-am 5000 can be used with alkaline batteries. In addition, it can be fitted with a rechargeable NiMH T4 battery that can be charged while still inside the instrument. An optional Save Energy Mode makes it possible to increase the operating time of Dräger X-am 5000 to more than 40 hours. This is done by selecting a measurement interval of either 1 second (the standard), 10 or 20 seconds for the CatEx sensor.

System Components

D-12191-2010



DrägerSensor XXS

Dräger has developed miniature electrochemical sensors specially for the Dräger Pac, X-am 1/2/5 and X-am 8000 generation. The sensors detect many different gases and vapours. They are also very reliable and stable over the long-term, thereby reducing your operating costs.

D-1179-2021



Dräger Catalytic Ex-Sensors

The catalytic DrägerSensors are particularly insensitive to shock and offer excellent poisoning resistance. The high product quality and long-term stability ensure low operating costs. Fast response times provide reliable warnings of gas hazards.

D-24997-2020



Dräger Bump Test Station

Easy to use, stand-alone and portable. With the Bump Test Station, functionality tests of gas detection and warning devices can be carried out easily and quickly.

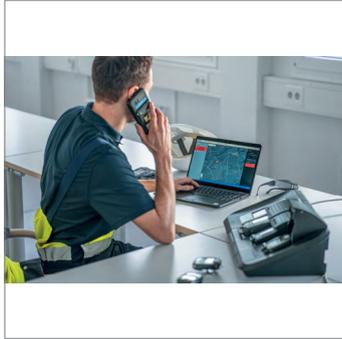
D-47907-2012



Dräger X-dock 5300/6300/6600

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.

System Components



D-40484-2021

Gas Detection Connect

Dräger Gas Detection Connect is your connection to the digital future of occupational safety. The system connects individual Dräger products through a smart software solution. Thanks to location- and time-independent access, you manage your equipment optimally and always have the position and status of your gas detection equipment and workers available. So you can protect your workforce and increase the efficiency of your plant at the same time.

Accessories

D-11857-2016



Dräger X-am Pump

The Dräger X-am Pump is an external pump for the portable gas detectors Dräger X-am 2500/2800 and X-am 5000/5600/5800 – designed for clearance measurement, for example in tanks and shafts. The pump automatically switches on when it is connected to a running X-am device. The change from pump mode to diffusion mode is fast and easy.

D-12284-2009



Rechargeable battery and charging technology set

NiMH supply unit T4 with charger module und power pack

D-4728-2017



Leather carrying case for X-am pump

The leather case is designed to protect the X-am device and pump. It is equipped with a belt loop on the reverse and can be used to support the pump when it is separated from the X-am.

D-0494-2018



Calibration gas and accessories

Calibration of equipment will ensure safe operation and functionality of equipment and will also meet with the applicable regulations and codes of practice. Various calibration options are easily available.

Accessories

D-30746-2015



Dräger Configuration and Evaluation Software

Save measurement results, professionally configure gas detection instruments and viewing performance data – all that is possible with the tailor-made Dräger software.

Related Products

D-9538-2022



Dräger X-am 5800

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

D-6491-2017



Dräger X-am 8000

Clearance measurement was never this easy and convenient: The 1 to 7 gas detector detects toxic and flammable gases as well as 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.

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 00xx), prerequisite: storage of the device 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 hours with Alkaline and NiMH > 250 hours without Ex Sensor > 40 hours when using the Save Energy Mode	
Charging time		< 4 h	
Datalogger		Application of an optimized data compression process with high accuracy and large storage capacity (typically data compression >90 % compared to the traditional traditional data logger concept with adjustable interval)	
With external pump		Maximum hose length 45 m; 148 ft.	
Approvals	ATEX / UKEX	I M1 Ex da ia I Ma II 1G Ex da ia IIC T4/T3 Ga	
	IECEX	Ex da ia I Ma Ex da ia IIC T4/T3 Ga	
	CSA (Canada & USA)	Class I, Div. 1, Groups A, B, C, D Class II, Div. 1, Groups E, F, G Class 1, Zone 0, A/Ex da ia IIC T4/T3 Ga	
	Measurement performance certificate	EN 50104	O ₂
		EN 45544-1, EN 45544-2	CO & H ₂ S
EN 60079-29-1		Methane to nonane, H ₂	
CE mark		Electromagnetic Compatibility (Directive 2014/30/EU) ATEX (Directive 2014/34/EU)	
MED		Marine Equipment Directive (Richtlinie 2014/90/EU)	
MER		Merchant Shipping (Marine Equipment) Regulations 2016	
EAC		PO Ex da ia I Ma X OEx da ia IIC T4/T3 Ga X	

Ordering Information

Dräger X-am 5000²

Consisting of: basic instrument with an integrated data logger. 8320000
 Calibration certificate and manufacturer's certificate are provided online.
 A functional instrument must include up to 4 sensors and a power supply unit (option).

Description	Measuring range	Resolution	Order code
CatEx 125 PR ^{1,2}	0 – 100 % LEL 0 – 100 Vol.-% CH ₄	1 % LEL 1 Vol.-%	6812950
CatEx 125 PR Gas ¹	0 – 100 % LEL 0 – 100 Vol.-% CH ₄	1 % LEL 1 Vol.-%	6813080
DrägerSensor XXS O ₂ ²	0 – 25 Vol.-%	0.1 Vol.-%	6810881
DrägerSensor XXS O ₂ 100	0 – 100 Vol.-%	0.5 Vol.-%	6812385
DrägerSensor XXS O ₂ PR	0 – 30 Vol.-%	0,1 Vol.-%	6800530
DrägerSensor XXS CO LC	0 – 2,000 ppm	1 ppm	6813210
DrägerSensor XXS CO HC	0 – 10,000 ppm	5 ppm	6812010
DrägerSensor XXS CO / H ₂ compensated	0 – 2,000 ppm CO	2 ppm	6811950
DrägerSensor XXS H ₂ S LC ²	0 – 200 ppm	0.1 ppm	6811525
DrägerSensor XXS H ₂ S HC	0 – 1,000 ppm	2 ppm	6812015
DrägerSensor XXS CO LC / H ₂ S LC	0 – 2,000 ppm CO 0 – 200 ppm H ₂ S	1 ppm CO 0.1 ppm H ₂ S	6813280
DrägerSensor CO LC / O ₂	0 – 2,000 ppm CO 0 – 25 Vol.-% O ₂	1 ppm CO 0.1 Vol.-% O ₂	6813275
DrägerSensor XXS H ₂ S LC / O ₂	0 – 100 ppm H ₂ S 0 – 25 Vol.-% O ₂	0.1 ppm H ₂ S 0.1 Vol.-% O ₂	6814137
DrägerSensor XXS NO	0 – 200 ppm	0.1 ppm	6811545
DrägerSensor XXS NO ₂	0 – 50 ppm	0.1 ppm	6810884
DrägerSensor XXS NO ₂ LC	0 – 50 ppm	0.02 ppm	6812600
DrägerSensor XXS SO ₂	0 – 100 ppm	0.1 ppm	6810885
DrägerSensor XXS PH ₃	0 – 20 ppm	0.01 ppm	6810886
DrägerSensor XXS PH ₃ HC	0 – 2,000 ppm	1 ppm	6812020
DrägerSensor XXS HCN	0 – 50 ppm	0.1 ppm	6810887
DrägerSensor XXS HCN PC	0 – 50 ppm	0,5 ppm	6813165
DrägerSensor XXS NH ₃	0 – 300 ppm	1 ppm	6810888
DrägerSensor XXS CO ₂	0 – 5 Vol.-%	0.1 Vol.-%	6810889
DrägerSensor XXS Cl ₂	0 – 20 ppm	0.05 ppm	6810890
DrägerSensor XXS H ₂	0 – 2,000 ppm	5 ppm	6812370
DrägerSensor XXS H ₂ HC	0 – 4 Vol.-%	0.01 Vol.-%	6812025

Ordering Information

DrägerSensor XXS OV	0 – 200 ppm	0.5 ppm	6811530
DrägerSensor XXS OV-A	0 – 200 ppm	1 ppm	6811535
DrägerSensor XXS Amine	0 – 100 ppm	1 ppm	6812545
DrägerSensor XXS Odorant	0 – 40 ppm	0.5 ppm	6812535
DrägerSensor XXS COCl ₂	0 – 10 ppm	0.01 ppm	6812005
DrägerSensor XXS Ozon	0 – 10 ppm	0.01 ppm	6811540

¹ Special calibration for Ex sensors are available (standard setting: 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

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 pc.) for alkaline power supply 8322237	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
Car charging connection cable 12 / 24 V for a charging module	4530057
Vehicle charger mounting kit for a X-am 1/2/5x00 car 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

Ordering Information

Calibration accessories

Calibration cradle for X-am 1/2/5x00	8318752
Dräger X-dock for Dräger X-am 1/2/5x00, not including gas cylinder	8321880
Dräger Bump Test Station for Dräger X-am 5000, not including gas cylinder	8319131
Dräger Bump Test Station for Dräger X-am5000, complete with one test gas cylinder 58L (gases and concentration variable)	8319130
Nonane Checker for Dräger X-am 5000	8320080

Communication accessories / software

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

Cases

Leather carrying case X-am device	8318755
Transport case (empty) for X-am device, pump, gas cylinder, hose and more	8327112

Area monitoring ¹

Dräger X-zone 5500, 868 MHz, 24 Ah battery with diffusion cap	8324819
Dräger X-zone 5800 with integrated pump, 868 MHz, 24 Ah battery with diffusion and pump cap	8329030

¹ Further versions (915 MHz, 433 MHz, 429 MHz) available on request

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