

Dräger X-am® 2000 Multi-Gas Detector

The Dräger X-am 2000 has been specially designed for personal monitoring. The 1- to 4-gas detector reliably measures combustible gases and vapors as well as O₂, CO and H₂S. In combination with an external pump, the Dräger X-am 2000 can be easily adapted to measure confined spaces before entry. Reliable measurement technology, long sensor life and easy operation combine high safety with a low cost of ownership.



ERGONOMIC MOBILE PHONE DESIGN

The Dräger X-am 2000's low weight and practical mobile phone design provides users a high level of comfort and convenience. Thanks to the practical two-button operation and straightforward menu, the instrument can be used intuitively.

POISON-RESISTANT EX SENSOR

For improved safety when facing unknown and potentially explosive hazards - the Dräger X-am 2000 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. The sensor's resistance, in combination with its long term stability, provides the sensor with a lifetime in excess of four years, which can help reduce your operational costs.

LONG-LIFE ELECTROCHEMICAL SENSORS

DrägerSensors stand for innovative technology at the highest level, and offer an expected lifetime up to five years. The Dräger X-am 2000 features the latest series of powerful electrochemical DrägerSensors from the miniaturized XXS generation.

ROBUST AND WATER-TIGHT

The Dräger X-am 2000 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. Furthermore, the Dräger X-am 2000 is able to withstand electromagnetic interference.

GAS INLETS ON TWO SURFACES

The functional design ensures that gas can enter the instrument from the top and the front, so even if the Dräger X-am 2000 is accidentally put in a jacket pocket, it should still provide a reliable warning against gas hazards.

EXTERNAL PUMP

An optional external pump with up to 30 meters (98 feet) of hose can be used as the solution for applications such as confined space entry into tanks, pipelines, etc. When the instrument is placed in the cradle, the pump automatically starts. The change between diffusion and pump operation can be quickly done without any need for additional tools or steps.



ST7461/2005

Dräger X-am® 2000
Robust 1- to 4-gas detector
for personal monitoring.

FLEXIBLE POWER SUPPLY

The Dräger X-am 2000 can be used with either the standard alkaline or optional NiMH rechargeable batteries. In addition, it can be fitted with a T4 battery which can be recharged while still inside the instrument. Charging can take place in the workshop or in a vehicle, whatever suits your needs. The operating time with alkaline

batteries excluding the CatEx Sensor is approximately 700 hours. At a daily working rate of eight hours, this equates to 87 days.

OPTIMUM SOLUTIONS FOR BUMP OR FUNCTION TESTS AND CALIBRATIONS

Simple, fast and professional: from a function test to complete documentation, users have a

range of practical solutions to choose from for total peace of mind. The Dräger E-Cal automatic test and calibration station and the Dräger Bump Test Station are ideal system accessories to the instrument, saving time and minimizing your workload.

Crocodile clip:
Fastens securely to clothing.

Visual alarm:
360° alarm.

Large display:
All readings at one glance.

DrägerSensors:
Fast, accurate and durable.

Robust design:
Water- and dust-proof as per IP 67.



ORDER INFORMATION

**Dräger X-am 2000 with alkaline batteries
(standard calibration of the Ex sensor: Methane)**

Dräger X-am 2000 Ex	83 18 750
Dräger X-am 2000 Ex, O ₂	83 18 770
Dräger X-am 2000 Ex, O ₂ , CO	83 18 880
Dräger X-am 2000 Ex, O ₂ , H ₂ S	83 18 890
Dräger X-am 2000 Ex, O ₂ , CO, H ₂ S	83 18 910

ORDER INFORMATION

Dräger X-am 2000 with a selection of special calibrations for the Ex sensor and selectable alarm thresholds incl. a calibration certificate and alkaline batteries

Dräger X-am 2000 Ex	83 18 751
Dräger X-am 2000 Ex, O ₂	83 18 771
Dräger X-am 2000 Ex, H ₂ S	83 18 781
Dräger X-am 2000 Ex, CO	83 18 791
Dräger X-am 2000 Ex, O ₂ , CO	83 18 881
Dräger X-am 2000 Ex, O ₂ , H ₂ S	83 18 891
Dräger X-am 2000 Ex, O ₂ , CO, H ₂ S	83 18 911

Dräger X-am 2000 without an Ex Sensor with alkaline batteries

Dräger X-am 2000 O ₂ , H ₂ S	83 18 698
Dräger X-am 2000 O ₂ , CO	83 18 697
Dräger X-am 2000 CO, H ₂ S	83 18 696
Dräger X-am 2000 O ₂ , CO, H ₂ S	83 18 699

Power supply units

NiMH power pack T4	83 18 704
Power pack & charging set	83 18 785
Consisting of: rechargeable NiMH power supply T4, charging module and a single charger (for worldwide use).	
Alkaline power pack T3/T4 (without alkaline batteries)	83 18 703
Alkaline batteries T4 (2 pc.) for alkaline power supply 83 18 703	83 18 708
NiMH rechargeable batteries T3 for alkaline power supply unit 83 18 703, charged externally	83 19 426

Charging accessories

Charging module	83 18 639
Charging set basic consisting of one charging module and a single power supply (worldwide use)	83 20 333
Power supply with connection cable (worldwide use) for max. 20 charging modules	83 15 805
Single charger (worldwide use) for max. 5 charging modules	83 16 994
Single charger (worldwide use) for max. 2 charging modules	83 15 635
Car charging connection cable 12 / 24 V for a charging module	45 30 057
Vehicle charger mounting kit for a X-am 1/2/5x00 car charging module	83 18 779

Pump accessories

Dräger X-am 2000 external pump	83 19 400
Hand pump adapter	83 19 195
Confined space entry set, with an external pump and 3m Viton hose	83 19 399
Carrying case Dräger X-am 1/2/5x00 external pump, without content	83 19 385

Calibration accessories

Calibration cradle for X-am 1/2/5x00	83 18 752
Dräger E-Cal module for Dräger X-am 1/2/5x00	83 18 754
Dräger Bump Test Station for Dräger X-am 2000, not including gas cylinder	83 19 131
Dräger Bump Test Station for Dräger X-am 2000, complete with one test gas cylinder 58L (gases and concentration variable)	83 19 130
Printer set for Dräger Bump Test Station consisting of:	83 21 011
Dräger Mobile Printer, single charger, rechargeable NiMH batteries, USB connection cable, positioning aid, Dräger CC-Vision standard	
Nonane Checker for Dräger X-am 2000	83 20 080

Communication accessories

Dräger GasVision	83 14 034
Dräger CC-Vision	64 08 515
USB DIRA with USB cable, communication adapter infrared to USB	83 17 409
PC communication set 1 with USB port, Dräger CC-Vision incl. registration software	83 18 761
PC communication set 2 with USB port, Dräger CC-Vision incl. registration software and barcode reader	83 18 762



ST-9560-2007

Dräger X-am® 2000
Flexible with an external pump for confined space entry.



ST-10263-2007

Dräger X-am® 2000
Optional Dräger Bump Test Station for an efficient Bump Test under 10 seconds.

Cases

Leather carrying case	83 18 755
Carrying case for charging accessories, probes, external pump, hose and gas cylinder (without content)	83 20 467

TECHNICAL DATA

Dimensions (W x H x D)	48 x 130 x 44 mm; 1.89 x 5.12 x 1.73 in.
Weight	220 - 250 g; 7.8 - 8.8 oz.
Ambient conditions	Temperature -20 - +50 °C; -4 - 122 °F Pressure 700 - 1300 hPa Humidity 10 - 95% r.h.
Alarms	Visual 360° Audible Multi-tone >90 dB at 30 cm Vibrating
Ingress Protection	IP 67
Operating time	> 12 hours (without Ex sensor > 700 hours)
Charging time	< 4 hours
Data logger	Can be read out via Infrared > 1,000 hours with 4 gases and a recording interval of 1 value per minute

Sensor	Measurement range	Resolution	Response time (t ₉₀)	Expected lifetime
Cat Ex 125 PR	0 - 100 % LEL 0 - 100 Vol.-% CH ₄	1% LEL	12 sec.	4 years
DrägerSensor XXS O ₂	0 - 25 Vol.-%	0.1 Vol.-%	10 sec.	> 5 years
DrägerSensor XXS CO	0 - 2,000 ppm	2 ppm	15 sec.	> 5 years
DrägerSensor XXS H ₂ S LC	0 - 100 ppm	0.1 ppm	15 sec.	> 5 years

Approvals	ATEX	II 2G EEx ia d IIC T4/T3 I M2 EEx ia d I Measurement performance certificate according to: - EN 50104 (2002) + A1 (2004) O ₂ - EN 45544 CO & H ₂ S - EN 60079-29-1:2007 Methane to Nonane - EN 50271:2001 Software and Documentation
	UL	Class I Div. 1 Group A, B, C, D, E, F, G T.-Code T4/T3
	CSA	Class I Div. 1 Group A, B, C, D T.-Code T4/T3
	IECEX	Ex ia d I/IIC T4/T3
	CE-mark	Electromagnetic compatibility Directive 2004/108/EG; EN 50270:2006
	MED	Marine Equipment Directive 96/98/EC
	MSHA	

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