

## Dräger X-am 2000



ST-7317-2005

The Dräger X-am 2000 is one of a new generation of gas detectors which have been specially designed for personal monitoring use. The 1- to 4-gas detector reliably measures combustible gases and vapors, as well as O<sub>2</sub>, CO and H<sub>2</sub>S. Its ergonomic design, mobile phone dimensions and low weight make it the perfect companion in your daily work. Reliable measurement technology, long sensor life and easy operation guarantee maximum safety at extremely low cost of ownership.



ST-7461-2005

**Dräger X-am 2000:**  
Robust 1- to 4-gas detector  
for personal monitoring

### An ergonomic instrument the size of a mobile phone

The instrument's low weight and mobile phone size – unique in today's market – guarantee users a high level of comfort and convenience. By design, the instrument can be used intuitively thanks to the practical two-button control panel and straightforward menu guidance system.

### Vapor-sensitive Ex measurement

For improved safety when facing unknown hazards: the catalytic Ex sensor, calibrated to methane, not only responds quickly to explosive gases, but also offers a high level of sensitivity to combustible organic vapors, thus providing dependable warnings in the event of explosive hazards.

### Long-life electrochemical sensors

DrägerSensors® stand for innovative technology at the highest level. The Dräger X-am 2000 features the latest series of powerful electrochemical DrägerSensors® from the miniaturized XXS generation, which are warranted for a period of three years.

### Robust and water-tight

The Dräger X-am 2000 is tough: water- and dust-resistant to IP 67, the instrument remains fully functional and ready for use even after being dropped in water. The integrated rubber protection and shock-proof sensors ensure additional resistance to impact and vibration. Furthermore, the Dräger X-am 2000 is able to withstand electromagnetic interference.

### Gas inlets on two surfaces

Twice as reliable: 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 will still provide a reliable warning against gas hazards.

### External Pump

An optional external pump with up to 20 meters of hose can be used as a solution for applications such as confined space entry from tanks, pipelines, etc. By placing the instrument cradle, the pump automatically starts. The change between diffusion and pump operation is quick and easy without any need for tools or additional steps.

### Flexible power supply

The Dräger X-am 2000 can be used with either the standard alkaline or optional NIMH 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, to suit your needs.

### Intelligent data management

Everything's under control: the Dräger X-am 2000 is equipped as standard with a data logger. The data can be transmitted via infrared interface to a PC and analyzed using the Dräger GasVision® software.

### Optimum solutions for function tests and adjustments

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 complements to the instrument, saving time and minimizing your workload.

### Remote Sampling

Confined space entry sampling can easily be performed using the optional motorized sample pump. The pump is capable of drawing a sample up to 66 ft. (20m) from the point of entry. Operating on 3 "AA" alkaline batteries, the pump has a total run time of over 30 hours.

For further information, visit:  
[www.draeger.com](http://www.draeger.com)

#### Crocodile clip

For secure attachment

#### Visual Alarm

180° alarm

#### DrägerSensors®

Fast, accurate, and durable

#### Robust design

Water- and dust-proof as per IP 67

#### Large display

All readings at a glance



ST-7452-2005

## ORDERING INFORMATION

### Dräger X-am 2000 standard instrument

Dräger X-am 2000 Ex, alkaline	83 18 750
Dräger X-am 2000 Ex, CO/H <sub>2</sub> S, alkaline	83 18 696
Dräger X-am 2000 Ex, O <sub>2</sub> /CO, alkaline	83 18 696
Dräger X-am 2000 Ex, O <sub>2</sub> /H <sub>2</sub> S, alkaline	83 18 698
Dräger X-am 2000 Ex, O <sub>2</sub> /CO/H <sub>2</sub> S, alkaline	83 18 699
Dräger X-am 2000 Ex, O <sub>2</sub> , alkaline	83 18 770
Dräger X-am 2000 Ex, H <sub>2</sub> S, alkaline	83 18 780
Dräger X-am 2000 Ex, CO, alkaline	83 18 790
Dräger X-am 2000 Ex, CO, H <sub>2</sub> S, alkaline	83 18 696
Dräger X-am 2000 Ex, O <sub>2</sub> , CO, alkaline	83 18 697
Dräger X-am 2000 Ex, O <sub>2</sub> , H <sub>2</sub> S, alkaline	83 18 698
Dräger X-am 2000 Ex, O <sub>2</sub> , CO, alkaline	83 18 880
Dräger X-am 2000 Ex, O <sub>2</sub> , H <sub>2</sub> S, alkaline	83 18 890
Dräger X-am 2000 Ex, O <sub>2</sub> , CO, H <sub>2</sub> S, alkaline	83 18 910
Dräger X-am 2000 CH <sub>4</sub> , alkaline battery, MSHA approved	45 437 87
Dräger X-am 2000 CH <sub>4</sub> /O <sub>2</sub> , alkaline battery, MSHA approved	45 437 79
Dräger X-am 2000 CH <sub>4</sub> /CO, alkaline battery, MSHA approved	45 437 88
Dräger X-am 2000 CH <sub>4</sub> /O <sub>2</sub> /CO, alkaline battery, MSHA approved	45 437 78
Dräger X-am 2000 CH <sub>4</sub> /O <sub>2</sub> /H <sub>2</sub> S, alkaline battery, MSHA approved	45 437 77
Dräger X-am 2000 CH <sub>4</sub> /O <sub>2</sub> /CO/H <sub>2</sub> S, alkaline battery, MSHA approved	45 437 76

Other configurations available, contact Customer Service

### Power supply units

NiMH power supply unit T4	83 18 704
NiMH power supply unit T4 with charger module and power pack	83 18 785
Alkaline power supply unit T3/T4 (without alkaline batteries)	83 18 703
Alkaline battery for alkaline power supply 83 18 703 (2 required)	45 43 708

### Pump Accessories

Remote Sample Pump, Dräger X-am 1/2/5000	83 19 400
Carry Case for external pump	83 19 385
Confined Space Entry Set for Dräger X-am 1/2/5000 Pump, includes: external pump, molded carry case, 15 ft. (5m) Tygon® tubing, float probe, spare filter	45 43 760
12" clear plastic Sample Probe	45 112 62

### Chargers

Charger module	83 18 639
Power pack with connection cable (worldwide) for up to 20 charger modules	83 15 805
Plug-in power pack (worldwide) for up to 5 charge modules	83 16 994
Plug-in power pack (worldwide) for up to 2 charge modules	83 15 635
12V/24V vehicle connection cable for charger module	45 30 057
Vehicle holder for one charger module	83 18 779

### Accessories for recording of measured values and configuration

Dräger GasVision®	83 14 034
Dräger CC-Vision®	64 08 515
USB DIRA cable	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

### Calibration accessories

Calibration cradle	83 18 752
Dräger Bump Test Station	83 19 131
Printer Set for X-am 1/2/5000 Bump Test Station	83 210 11
Dräger E-Cal module	83 18 754
Mixed gas cylinder, 2.5 vol.-% CH <sub>4</sub> , 100 ppm CO; 25 ppm H <sub>2</sub> S, 17 vol.-% O <sub>2</sub>	45 43 755

### Other accessories

Instrument case	45 43 755
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Dräger X-am 2000  
Robust and water-tight



Dräger X-am 2000  
Compact and ergonomic



Dräger X-am 1/2/5000  
Remote Sample Pump

## TECHNICAL DATA

Dimensions (W x H x D)	47 x 129 x 31 mm (1.85" x 5.08" x 1.22")	
Weight	Approx. 220 g (7.8 oz)	
Ambient conditions	Temperature -20 to +50 °C (-4 to +122 °F)	
Pressure	700 to 1300 mbar (20.7 to 38.4 inch Hg)	
Humidity	10 to 95 % r.h.	
<b>Sensor</b>	<b>Measurement range</b>	<b>Response time T50 [sec.]</b>
Ex	0-100 % LEL or 0-5 vol.-%	8
O <sub>2</sub>	0-25 vol.-%	6
CO	0-2000 ppm	6
H <sub>2</sub> S	0-200 ppm	6
IP protection class	Instrument and sensor block, IP 67	
Alarms	Visual 180° Audible Multi-tone >90 dB at 30 cm (1 ft.) Vibration	
Operating times	Alkaline > 12 hours T4 battery pack > 12 hours	
Charging times	< 4 hours	
Data logger	Can be read out via IR > 1000 hours with 4 sensors and a recording interval of 1 reading per minute	
Approvals	ATEX II 2G EEx ia d IIC T4/T3 I M2 EEx ia d I UL Class I Div. 1 Group A,B,C,D - Cl. II E,F,G, T.-Code T4/T3 MSHA Methane-air mixtures only 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 89/336/EEC)	
Warranty	3 years on monitor and sensors 2 years on optional T4 NiMH battery pack	



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