

## Dräger X-am 5000

The smallest gas detection instrument for up to five gases, the Dräger X-am 5000 belongs to a new generation of detectors developed especially for personal monitoring. It reliably measures oxygen, organic vapors, combustible gases, and harmful concentrations of CO, H<sub>2</sub>S, CO<sub>2</sub>, Cl<sub>2</sub>, HCN, NH<sub>3</sub>, NO<sub>2</sub>, PH<sub>3</sub>, and SO<sub>2</sub> with high sensitivity to keep the user safe.



ST-9618-2007

Equipped with durable XXS sensor technology, the Dräger X-am 5000 offers maximum security at an extremely low operational cost.

### AN ERGONOMIC DESIGN FOR EASE OF USE

Besides its advanced functionality, the Dräger X-am 5000's practical "mobile phone" design and light weight make it comfortable to carry. The two-button control panel and easy-to-follow menu system make for intuitive use.

### HIGH-PERFORMANCE SENSORS THAT LAST LONGER

The XXS generation of high-performance sensors in the X-am 5000 offers the most longevity on the market. The oxygen sensor has an expected lifetime of five years.

### ADAPTABLE SENSOR EXCHANGE FOR MORE VERSATILE DETECTORS

The ability to customize, exchange, upgrade, and calibrate the X-am 5000's sensors easily allows for more applications. This is especially helpful when using rental equipment.

### A HYDROGEN-COMPENSATED SENSOR FOR RELIABLE READOUTS

This new CO sensor compensates for hydrogen interference up to 2,000 ppm with less than 1% CO response, meaning your readouts are as reliable as can be.

### A RANGE OF SENSITIVITIES FOR AN ADDED MEASURE OF SAFETY

The catalytic Ex sensor measures 0-100% LEL and 0-100% methane concentration. When set for maximum sensitivity, the detector is even more dependable, warning about unknown hazards and specific combustible gases.

### A RUGGED DESIGN FOR HARSH CONDITIONS

The Dräger X-am 5000 is tough. It's dust-resistant according to IP67, and remains fully functional even after falling into water. The integrated rubber protection and shock-proof sensors give additional resistance to impact and vibration. Moreover, the Dräger X-am 5000 is insensitive to electromagnetic interference. This means you can count on it even in the harshest conditions.



ST-9468-2007

**Dräger X-am 5000:**  
the smallest gas detection instrument for 5 gases.



**Secure gas entry:**  
Gas entry from top and front.

**Visual alarm:**  
180° alarm.

**DrägerSensors®:**  
Fast, accurate and durable.

**Large display:**  
All readings at a glance.

**Reflective faceplate:**  
Easy to find in the dark or in water.

ST-1639-2007

**PRE-ENTRY MEASUREMENTS MADE SIMPLE**

An optional external pump operates with a flexible hose up to 20 m long for pre-entry measurements in tanks, shafts, and other confined spaces. The pump starts automatically when the instrument is inserted.

**FAST TESTING AND CALIBRATION SOLUTIONS THAT SAVE TIME**

Users can choose from a range of practical, on-site solutions for every application, from a function (bump) test to complete documentation. The Dräger E-Cal automatic test and calibration station 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 with the Dräger X-am 5000 menu.

**FLEXIBLE POWER SUPPLY FOR SUSTAINED USE**

The Dräger X-am 5000 can be used with either standard alkaline or rechargeable NiMH batteries. Up to 20 units can be gang charged at with a single power supply.

**ORDER INFORMATION**

Description	Order No.
X-am 5000 Ex/O <sub>2</sub> /CO/H <sub>2</sub> S 4-Gas Monitor, NiMH Battery and Charger, No additional toxic gas sensor can be selected	45 43 752
X-am 5000 Ex/O <sub>2</sub> /Dual CO/H <sub>2</sub> S 4-Gas Monitor, NiMH Battery and Charger, 1 additional toxic gas sensor can be selected	45 43 751
X-am 5000 Ex/O <sub>2</sub> /CO 3-Gas Monitor, NiMH Battery and Charger, 1 additional toxic gas sensor can be selected	45 43 753
X-am 5000 Ex/O <sub>2</sub> /H <sub>2</sub> S 3-Gas Monitor, NiMH Battery and Charger, 1 additional toxic gas sensor can be selected	45 43 750
X-am 5000 Ex/O <sub>2</sub> 2-Gas Monitor, NiMH Battery and Charger, 2 additional toxic gas sensors can be selected	45 43 754
X-am 5000 w/o Sensors, NiMH Battery and Charger, 1 CatEx and up to 3 additional toxic gas sensors can be selected	45 43 748

MSHA Approved versions also available for all X-am 5000 units. Call Dräger Customer Service at 800-858-1737

**TOTAL CARE AND EXTENDED WARRANTY AGREEMENTS**

Total care and extended warranty agreements are available for any monitor/sensor combination. Please contact Dräger Service at 888-794-3806.

**ORDER INFORMATION**

<b>Sensors (choose between 1 -4 sensors installed and calibrated)</b>	<b>Order No.</b>
CatEx 125	45 43 775
DrägerSensor XXS O <sub>2</sub>	45 43 761
DrägerSensor XXS CO	45 43 762
DrägerSensor XXS H <sub>2</sub> S	45 43 763
DrägerSensor XXS NO <sub>2</sub>	45 43 764
DrägerSensor XXS SO <sub>2</sub>	45 43 765
DrägerSensor XXS PH <sub>3</sub>	45 43 766
DrägerSensor XXS HCN	45 43 767
DrägerSensor XXS NH <sub>3</sub>	45 43 768
DrägerSensor XXS CO <sub>2</sub>	45 43 769
DrägerSensor XXS Cl <sub>2</sub>	45 43 770
DrägerSensor XXS OV	45 43 773
DrägerSensor XXS OV-A	45 43 774
DrägerSensor XXS H <sub>2</sub> S LC (for low concentrations, 0.1 ppm)	45 43 772
DrägerSensor XXS CO/H <sub>2</sub> S	45 43 771
DrägerSensor XXS CO H <sub>2</sub> CP (H <sub>2</sub> Compensated)	45 45 454
Special calibration for Ex sensors are available (standard setting: methane)	

**Charging accessories**

Charger module	83 18 639
Power pack with connection cable (for worldwide use) for up to 20 charger modules	83 15 805
Power supply (for worldwide use) for up to 5 charger modules	83 16 994
Power supply (for worldwide use) for up to 2 charger modules	83 15 635
12V/24V vehicle connection cable for charger module	45 30 057
Vehicle holder for 1 charger module	83 18 779

**Pump accessories**

Dräger X-am 1/2/5000 external pump without hose	83 19 400
Hand pump kit with 10' (3m) Tygon Tubing	45 94 585
Confined Space Entry set for Dräger X-am 1/2/5000 Pump	45 43 760
Case with pump and 15' (5m) Tygon Tubing, float probe, spare filter	
Filter for Dräger X-am 1/2/5000 Pump, replacement	45 43 759

**Calibration accessories**

Calibration cradle for Dräger X-am 1/2/5000	83 18 752
Dräger X-am 1/2/5000 E-Cal module	83 18 754
Dräger Bump Test Station Dräger X-am 1/2/5000 without gas cylinder	83 19 131
Printer set for Dräger Bump Test Station Dräger X-am 1/2/5000 consisting of printer, connection cable, NiMH batteries, USB cable, positioning assistance, CC-Vision®	83 21 011

**Accessories for recording measured values and configuration**

Dräger GasVision®	83 14 034
Dräger CC-Vision®	64 08 515
USB DIRA with USB cable	83 17 409
PC communication set 1 Dräger X-am 1/2/5000 with USB cable, Dräger CC-Vision®	83 18 761
PC communication set 2 Dräger X-am 1/2/5000 with USB cable, Dräger CC-Vision® and barcode reader	83 18 762

**Carrying cases**

Transport case for Dräger X-am 1/2/5000 Pump and accessories	83 19 385
Leather carrying case for Dräger X-am 1/2/5000 and Pump	45 43 935
Leather carrying case	45 43 755



**Dräger X-am 5000:**  
Small, ergonomic, robust and water-tight.

**TECHNICAL DATA**

Dimensions (W x H x D)	1.85" x 5.08" x 1.22", (47 x 129 x 31 mm)		
Weight	Approximately 7.8 oz., (220 g)		
Ambient conditions	Temperature	-4 to +122 °F, (-20 to +50 °C)	
	Pressure	20.7 to 38.4 inch Hg, (700 to 1300 mbar)	
	Humidity	10 to 95% RH	
Alarms	Visual	180°	
	Audible	Multi-tone >90 dB at 1 ft., (30 cm)	
	Vibration		
Battery options	Alkaline, rechargeable NiMH cells for alkaline pack, T4 battery pack		
Operating times	> 12 hours; with pulsed mode > 40 hours (units after Jan. 2009)		
Charging times	< 4 hours		
Data logger	Can be read out via infrared approx. 1000 hours with 5 gases and a recording interval of 1 reading per minute		
Pump operation	Maximum hose length 65.6 ft., (20 M); 30 hours with 3 "AA" alkaline		
Approvals	ATEX	I M1 Ex ia I	
		II 1G Ex ia IIC T3	
		I M2 Ex d ia I	
		II 2G Ex d ia IIC T4/T3	
	UL	Class I & II, Div. 1 Group A, B, C, D, E, F, G T-Code T4/T3	
	CSA	Class I, Div. I Group A, B, C, D, T-Code T4/T3	
	MSHA	Pending	
	IECEX	Ex ia I	
		Ex ia IIC T3	
		Ex d ia I	
Ex d ia IIC T4/T3			
CE mark	Electromagnetic compatibility (directive 89/336/EWG)		
RoHS	Directive 2002/95/EC		

**HEADQUARTERS**

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23560 Lübeck, Germany

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