

Dräger X-am 2000



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 vapours, as well as O₂, CO and H₂S. 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.

Vapour-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 vapours, thus providing dependable warnings in the event of explosive hazards.

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 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.

A range of alarm functions

In alarm situations, the Dräger X-am 2000 provides three different types of warning: the audible multi-tone alarm is impossible to miss, while a visual 180-degree alarm helps ensure the warning is not ignored. Finally, the instrument also features a built-in vibration alarm.

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 analysed 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.

User registration in seconds

An absolute must to ensure the right person gets the right instrument: the optional registration set, when used in conjunction with the Dräger CC-Vision software, allows individualized issue of instruments and a quick check of completeness upon their return.

For further information, visit:
www.draeger-safety.com/x-am

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 7462-2005

ORDER INFORMATION

Dräger X-am 2000 standard instrument

Dräger X-am 2000 Ex, alkaline	83 187 50
Dräger X-am 2000 Ex, O ₂ , alkaline	83 187 70
Dräger X-am 2000 Ex, H ₂ S, alkaline	83 187 80
Dräger X-am 2000 Ex, CO, alkaline	83 187 90
Dräger X-am 2000 Ex, O ₂ , CO, alkaline	83 188 80
Dräger X-am 2000 Ex, O ₂ , H ₂ S, alkaline	83 188 90
Dräger X-am 2000 Ex, O ₂ , CO, H ₂ S, alkaline	83 189 10

Basic unit with choice of special calibrations, incl. calibration certificate

Dräger X-am 2000 Ex, alkaline	83 187 51
Dräger X-am 2000 Ex, O ₂ , alkaline	83 187 71
Dräger X-am 2000 Ex, H ₂ S, alkaline	83 187 81
Dräger X-am 2000 Ex, CO, alkaline	83 187 91
Dräger X-am 2000 Ex, O ₂ , CO, alkaline	83 188 81
Dräger X-am 2000 Ex, O ₂ , H ₂ S, alkaline	83 188 91
Dräger X-am 2000 Ex, O ₂ , CO, H ₂ S, alkaline	83 189 11

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 batteries T4 (2 pcs.) for alkaline power supply	83 18 708

Chargers

Charger module	83 18 639
Power pack with connection cable (worldwide) for several charger modules (20 max.)	83 15 805
Plug-in power pack (worldwide) for several charger modules (2 max.)	83 15 635
12V/24V vehicle connection cable for charger module	83 12 645
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 19 130
Dräger E-Cal module	83 18 754
Mixed gas cylinder, 2.5 vol.-% CH ₄ ; 50 ppm CO; 15 ppm H ₂ S; 18 vol.-% O ₂	68 10 395

Other accessories

Instrument case	83 18 755
-----------------	-----------



Dräger X-am 2000:
Robust and water-tight.



Dräger X-am 2000:
Compact and ergonomic.

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.	
Sensor	Measurement range	Response time T50 [sec.]	Expected lifetime [years]
Ex	0-100 % LEL or 0-5 vol.-%	8	4
O ₂	0-25 vol.-%	6	5
CO	0-2000 ppm	6	5
H ₂ S	0-200 ppm	6	5
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	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 89/336/EEC)	

*pending



SUBSIDIARIES

AUSTRALIA

Draeger Safety Pacific Pty. Ltd.
Axxess Corporate Park
Mt. Waverley, Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

FRANCE

Dräger Safety France S.A.S.
3c, Route de la Fédération
67025 Strasbourg Cedex
Tel +33 388 40 76 76
Fax +33 388 40 76 67

SINGAPORE

Draeger Safety Asia Pte. Ltd.
67 Ayer Rajah Crescent # 06 03
139950 Singapore
Tel +65 68 72 92 88
Fax +65 67 73 20 33

UNITED KINGDOM

Draeger Safety UK Ltd.
Kitty Brewster Industrial Estate
Blyth, Northumberland NE24 4RG
Tel +44 1670 352 891
Fax +44 1670 356 266

CANADA

Draeger Canada Ltd.
7555 Danbro Crescent
Mississauga, Ontario L5N 6P9
Tel +1 905 821 8988
Fax +1 905 821 2565

MEXICO

Dräger Safety S.A. de C.V.
Av. Peñuelas No. 5
Querétaro, Qro México
Tel +52 442 246 1113
Fax +52 442 246 1114

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
P.O.Box 68601
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

USA

Draeger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

P. R. CHINA

Beijing Fortune Draeger
Safety Equipment Co., Ltd.
Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

SPAIN

Draeger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

Dräger Safety AG & Co. KGaA

Revalstrasse 1
23560 Luebeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
www.draeger-safety.com