

# Dräger X-am 7000



ST 2660-2003

Dräger X-am 7000 is the innovative solution for the simultaneous and continuous detection of up to five gases. A combination of more than 25 sensors allows flexible solutions to individual monitoring tasks. The Dräger X-am 7000 can be equipped with three electrochemical, and two catalytic bead or infrared sensors. It is the ideal companion in a great number of applications where reliable monitoring of Oxygen, toxic and combustibles gases and vapors in the ambient air is necessary.

### Flexibility through sensor variety

The extensive portfolio of over 25 different DrägerSensors allows the detection of more than 100 gases and vapors. The measuring range of the EC, Cat-Ex and IR sensors can be changed to another gas within a list of gases by a push of a button - without the necessity of re-calibrating. This way the accuracy and the range of the monitored substances is increased. DrägerSensors are renowned for fast response, minor cross sensitivities, high accuracy and long life.

### Intelligent and interchangeable sensors

Each sensor is recognized automatically by the instrument. All sensors are pre-calibrated, and a reconfiguration of the Dräger X-am 7000 is done by simply changing a sensor. I.e. no additional service or maintenance is necessary.

### Intuitive software functions

The software menu of the Dräger X-am 7000 was designed in partnership with our customers making it simple and easy to use. Functions such as TWA and STEL values, as well as functions, like peak hold can be viewed or switched on quickly and with minimal training.

### Leak search functionality

Searching a leak has been revolutionized

by the Dräger X-am 7000. A new, flexible goose-neck probe simplifies the search for leaks at e.g. flanges, shut-off devices and valves. In the tracking-mode, the instrument generates an increasing or decreasing rate of beeps, depending on the gas concentration detected.

### Rugged and waterproof

Additional to the built-in dust and splash water protection, the Dräger X-am 7000 can be submersed without damage. A specially designed rubber-boot protects the instrument against damage from a drop of 1.5 m (5 ft.).

### Built for longevity

The completely new design of the rechargeable battery block with intelligent charging management guarantees full functionality of the instrument over a period of up to 20 hours (depending on the battery type). An alkaline battery pack is also available.

The DrägerSensors used in the Dräger X-am 7000 have a typical life of over 5 years. If, in time, an exchange is necessary, the modular approach of the instrument allows this in a few simple steps.



ST-2441-2003

Dräger X-am 7000:  
Modular, rugged and  
waterproof.

**Multiple Warning Systems**

Alarm conditions can not be ignored because of the sound of an extremely loud multi-tone horn. In addition the visual alarm can be seen through 360° ensuring it attracts the users attention. By generating a life-signal every six seconds the Dräger X-am 7000 confirms it is functioning normally.

**Information at a glance**

The large graphic Display and the alarm-auto-zoom function guarantee easy recognition of the values and symbols displayed for immediate judgement about the situation or hazards. All information is provided in plain text.

**Data management**

A built-in data memory logs up to 3000 sets of values – that is data logging of 50

hours when recording one set per minute. The data can be transmitted and evaluated on a PC using an infrared interface together with the „GasVision“ software package.

**Strong Built-in Pump**

The built-in high power pump allows to sample gas through a 45 m (150 ft.) long tube. The operation of the pump is continuously monitored, and the instrument will generate an alarm if the flow is too low.

**Global Approvals\***

The instrument carries globally recognized approvals: ATEX, UL and CSA.

**DrägerSensors**

Equipped with 3 electrochemical and 2 catalytic bead or infrared sensors

**Alarm functions**

360°-all around visible and > 95 dB multitone audible alarm

**Large display**

Clearly structured, scratch resistant display with information in plain text

**Robust enclosure**

Rugged, waterproof with standard rubber-boot



**ORDER INFORMATION**

Dräger X-am 7000	83 17 400
with rubber-boot, carrying strap, calibration adapter, water- and dustfilter; without datalogger, internal pump	
NiMH power pack 4,8 V / 3,0 Ah	83 17 408
NiMH power pack 4,8 V / 6,0 Ah	83 17 454
Alkaline power pack	83 17 550
Internal pump, incl. pump adapter	83 17 804
Datalogger	83 17 704

## ORDER INFORMATION

Charging module		83 16 487
Power supply for up to 5 charging modules		83 15 805
Power supply for one charging module		83 15 635
Wall power supply		83 16 994
Adapter for vehicles		83 12 645
Pump adapter		83 17 639
Sensor extension cabel for calibration with vapors		68 09 325
Leather carrying case		83 17 683
Nylon carrying case		83 17 684
Carrying strap (carrying belt with plate)		83 16 878
Belt (to adapt to carrying frame)		83 16 682
Carrying clip		83 17 771
GasVision Software		83 14 034
CC-Vision Software		64 08 515

### Sensors for Dräger X-am 7000

IR Ex	0 to 100 %LEL	68 10 460
	0 to 100 Vol% CH <sub>4</sub>	
IR CO <sub>2</sub>	0 to 5 Vol%	68 10 590
IR CO <sub>2</sub> HC	0 to 100 Vol%	68 10 599
Cat-Ex Sensor	0 to 100 % LEL	68 10 410
Cat-Ex Sensor	0 to 100 Vol% CH <sub>4</sub>	68 10 710

### DrägerSensors XS R

CO	0 to 2000 ppm	68 10 258
H <sub>2</sub> S	0 to 100 ppm	68 10 260
O <sub>2</sub>	0 to 25 Vol%	68 10 262

### DrägerSensors XS EC

CO	0 to 2000 ppm	68 09 105
H <sub>2</sub> S 100	0 to 100 ppm	68 09 110
H <sub>2</sub> S HC	0 to 1000 ppm	68 09 180
O <sub>2</sub> LS	0 to 25 Vol%	68 09 130
O <sub>2</sub> 100	0 to 100 Vol%	68 09 550
NO	0 to 200 ppm	68 09 125
SO <sub>2</sub>	0 to 100 ppm	68 09 160
NO <sub>2</sub>	0 to 50 ppm	68 09 155
COCl <sub>2</sub>	0 to 3 ppm	68 08 582
NH <sub>3</sub>	0 to 200 ppm	68 09 145
HCN	0 to 50 ppm	68 09 150
Cl <sub>2</sub>	0 to 20 ppm	68 09 165
Hydrides	0 to 20 ppm	68 09 135
CO <sub>2</sub>	0 to 5 Vol%	68 09 175
OV	0 to 200 ppm	68 09 115
OV-A	0 to 100 ppm	68 09 522
Odorant	0 to 40 ppm	68 09 200
PH <sub>3</sub> HC	0 to 1000 ppm	68 09 535
Amines	0 to 100 ppm	68 09 545
CO HC	0 to 1000 ppm	68 09 120
H <sub>2</sub>	0 to 2000 ppm	68 09 185

### DrägerSensors XS 2

CO	0 to 2000 ppm	68 10 365
H <sub>2</sub> S	0 to 100 ppm	68 10 370
O <sub>2</sub>	0 to 25 Vol%	68 10 375



Dräger X-am 7000:  
Leaksearch made easy by generating audible clicks.



Dräger X-am 7000:  
High performance pump for professional confined space entry.

## TECHNICAL DATA

Multi gas measuring and warning device for up to 5 measurement channels: 3 electrochemical sensors (for toxic gases and Oxygen) and 2 catalytic sensors respectively infrared sensors (for combustible gases and vapors or Carbon Dioxide)

Size (w x h x d. approx.)		150 x 140 x 75 mm, 5.9" x 5.6" x 3"
Weight (approx.)	Instrument	600 g, 21 oz.
	Rechargeable battery	490 g, 17 oz. (3.0 Ah); 730 g, 26 oz. (6.0 Ah)
Ambient conditions	Temperature	- 20 to + 55 °C, intermittent + 60 °C, - 5 to + 105 °F, intermittent + 130 °F
	Pressure	700 to 1300 hPa, 20.7 to 38.4 inch Hg
	Humidity	10 to 95 %RH
Enclosure rating		IP 67
Typical battery life	NiMH (4.8 V / 3.0 Ah)	> 9 hours
	NiMH (4.8 V / 6.0 Ah)	> 20 hours
	Alkaline	> 20 hours
Audible alarm		> 95 dB (A) at a distance of 30 cm; 1ft.
Charging time		3.5 to 7 hours, depending on battery type
Pump mode		maximum length of tubing 45 m, 150 ft.
Approvals*	ATEX	II 2G EEx ia d IIC T4; - 20 ≤ Ta ≤ + 60 °C I M2 EEx ia d I
	UL	Class I, Div 1, Group A, B, C, D; Temp Code T4
	CSA	Class I, Div 1, Group A, B, C, D; Temp Code T4
	CE-mark	electromagnetic compatibility (directive 89/336/EEC)

\*pending

