

# 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, infrared or photoionisation 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, IR and PID sensors can be changed to another gas within a list of gases by a push of a button – without the necessity of re-calibrating. In this way the instrument can be adapted easily to various applications. 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. 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-65-2008

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

### Strong Built-in Pump

The built-in high power pump allows to sample gas through an up to 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.

### DrägerSensors

Equipped with 3 electrochemical and 2 catalytic bead, infrared sensors or photoionisation sensors

### Alarm functions

360°-all around visible and > 100 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, basic unit with rubber-boot, carrying strap, calibration adapter, water- and dustfilter 83 17 400

- In order to get a fully operational unit a power pack and up to 5 sensors have to be ordered. And optional, a built-in pump or a datalogger can be ordered.

### Power supply units

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

### Instrument options

Upgrade pump, incl. pump adapter 83 17 804

Upgrade Datalogger 83 18 249

## ORDER INFORMATION

### Chargers

Charging module	83 16 487
Power supply for up to eight 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
Car mounting kit	83 18 169

### Other accessories

Pump adapter	83 17 639
Sensor extension cable for calibration with vapors	83 17 970
Leather carrying case	83 17 683
Nylon carrying case	83 17 684
Carrying strap (carrying belt with plate)	83 16 878
Waist Belt (to adapt to carrying frame)	83 17 682
Carrying clip	83 17 771
Dräger GasVision Software	83 14 034
Dräger CC-Vision Software	64 08 515

### Sensors for Dräger X-am 7000

IR Ex	0 to 100 %LEL 0 to 100 Vol.-% CH <sub>4</sub>	68 10 460
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 10 710
Cat-Ex Sensor HC	0 to 100 % LEL 0 to 100 Vol.-% CH <sub>4</sub>	68 10 410
PID Sensor	0 to 2000 ppm	83 19 100

### 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 tracking sound.



#### Dräger X-am 7000:

High performance pump for professional confined space entry.

## TECHNICAL DATA

Type	Multi gas measuring and warning device for up to 5 measurement channels: electrochemical sensors (for toxic gases and Oxygen) and 2 catalytic sensors respectively infrared sensors (for combustible gases and vapors or Carbon Dioxide) or photoionisation sensors		
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 - 40 to + 60 °C, - 5 to + 105 °F, intermittent - 40 to + 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	> 100 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 EC-Type Examination Certificate BVS 03 ATEX E 371 X	
	MED	Marine Equipment Directive 96/98/EC	
	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	
	IECEX	Ex ia d I/IIC T4; - 20 ≤ Ta ≤ + 60 °C	
	CE-mark	electromagnetic compatibility (directive 89/336/EEC)	



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