Dräger X-am 7000

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.

ST-65-2006

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

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 alcaline 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.

Dräger safety

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 • 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.	83 17 400
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 cabel 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 to100 %LEL 0 to100 Vol.-% CH_4	68 10 460
IR CO_2	0 to 5 Vol.-%	68 10 590
IR CO_2 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_4	68 10 410
PID Sensor	0 to 2000 ppm	83 19 100
DrägerSensors XS R		
CO	0 to 2000 ppm	68 10 258
H_2S	0 to 100 ppm	68 10 260
O_2	0 to 25 Vol.-%	68 10 262
DrägerSensors XS EC		
CO	0 to 2000 ppm	68 09 105
H_2S 100	0 to 100 ppm	68 09 110
H_2S HC	0 to 1000 ppm	68 09 180
O_2 LS	0 to 25 Vol.-%	68 09 130
O_2 100	0 to 100 Vol.-%	68 09 550
NO	0 to 200 ppm	68 09 125
SO_2	0 to 100 ppm	68 09 160
NO_2	0 to 50 ppm	68 09 155
$COCl_2$	0 to 3 ppm	68 08 582
NH_3	0 to 200 ppm	68 09 145
HCN	0 to 50 ppm	68 09 150
Cl_2	0 to 20 ppm	68 09 165
Hydrides	0 to 20 ppm	68 09 135
CO_2	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_3 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_2	0 to 2000 ppm	68 09 185
DrägerSensors XS 2		
CO	0 to 2000 ppm	68 10 365
H_2S	0 to 100 ppm	68 10 370
O_2	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)