DRAEGER

ONE TO SEVEN-GAS MONITOR WITH INFRARED OR PID SENSOR OPTIONS

Monitor adapts to a wide variety of applications requiring monitoring of 1 to 7 gases. The infrared Ex sensor provides the most accurate detection of hydrocarbons in low or zero oxygen atmospheres. A second infrared sensor can be employed for specific measurement of carbon dioxide, up to 100% Vol.

Interchangeable electrochemical sensors detect more than 50 different gases, as well as oxygen deficiency or enrichment.

A catalytic/thermal conductivity Ex sensor measures combustible gases (0-100% LEL or 0-100% Vol. CH_4), whereas the infrared Ex sensor measures combustible gases in inert atmospheres gases (0-100% LEL or 0-100% Vol. CH_4).

Delivered with an internal pump for remote sampling from confined spaces, up to a distance of 147 ft.

Unit is equipped to include a datalogger for each of the seven measuring channels. Instruments may be linked via an optional IR interface to a PC for bi-directional data communication.

Audible Alarm: >100dBA @ 1 ft.
Visual Alarm: Ultra bright LED's

Environmental
Temperature: -20 to +50°C
Rel. Humidity: 10 to 90%
Atmos. Pressure: 700 to 1300 hPa

Ingress Protection: IP67
Typical Battery Life: Lithium >17

Dimensions: 7" x 3" x 1.7"
Weight: 17.5 to 19.4 oz

Approval classifications:
ATEX: II 1g EEX ia d IIC T4; -20≤Ta≤+60°C
I M1 EEx ia d I
UL: Class I, Div. 1, Groups A-D, T4
CSA: Class II, Div 1, Gr. E, F, G, T4
CE-mark: Directive 89/336/EEC

A sample of the many X-am 8000 kits available:
X-am 8000, Ex, O_2, CO, H_2S
X-am 8000 with Datalogger, Ex, O_2, CO, H_2S
X-am 8000 with Datalogger, IR-Ex, O_2, CO, H_2S
X-am 8000 with Datalogger, PID, Ex, O_2, CO, H_2S

XXS Sensors for the X-am 8000 are shown on the XXS Sensor specification sheet.

PORTABLE 1- to 4-GAS MONITOR

The X-am® 2500 has a large, easy to read, liquid-crystal display. All gas readings are shown simultaneously and resize automatically depending on the number of sensors installed. When a gas alarm occurs, the reading for the sensor in alarm will be highlighted and will alternate with the alarm level indication of A1 or A2.

The Dräger X-am 2500 can operate for more than 12 hours with either alkaline batteries or with rechargeable NiMH batteries. Depending on the requirements, the batteries can be charged either in the workshop or in a vehicle. Operating time without an Ex sensor installed is typically more than 250 hours.

The X-am 2500 is compatible with Dräger's X-dock testing and calibration station. X-dock is Dräger's new solution for efficient maintenance and comprehensive equipment management. Used for functional testing and complete documentation, X-dock can complete bump tests in 8 to 15 seconds with more than 40% less gas consumption than competitive instruments. The X-am 2500 is also compatible with the Dräger Bump Test Station.

SENSOR TECHNOLOGY

The innovative, catalytic Ex sensor has a high degree of drift stability with a high resistance to silicone and hydrogen sulfide. The sensor boasts an expected service life of more than five years and is extremely sensitive to flammable gases and vapors. Further, the X-am 2500 is approved for measuring from methane to nonane, according to IEC/EN 60079-29-1.

ZONE 0 APPROVED

The Dräger X-am 2500 has Ex approval for zone 0 for user safety in areas subject to explosion hazard. Additionally, it is not sensitive to electromagnetic radiation, e.g. from wireless devices, and is water and dust resistant in accordance with protection class IP 67.

Dimensions (W × H × D): 48 × 130 × 44 mm; Weight: 220 – 250 g
Ambient conditions: Temperature: - 20 to + 50 °C, Pressure: 700 to 1300 mbar,
Relative humidity: 10 to 95 % r.h.
Protection class: IP 67
Alarms: Visual 360°, Audible Multi-tone > 90 dB at 30 cm, Vibration
Operating times: > 12 h with alkaline and NiMH
> 250 h w/o Ex sensor with alkaline batteries
Charging times: < 4 h
Datalogger Retrievable using an infrared interface > 1000 h with 4 gases at a recording interval of 1 value per minute
Approvals: ATEX I M1 Ex ia I Ma, II 1G Ex ia IIC T3 Ga, I M2 Ex d ia I Mb,
II 2G Ex d ia IIC T4/T3 Gb
Performance approval to:
EN 50104(2002) + A1 (2004) O_2, EN 45544 CO & H_2S
EN 60079-29-1:2007 Methane to nonane
EN 50271:2001 Software and documentation
CSA (Canada & USA) Class I Div. 1 Group A, B, C, D T.-Code T4/T3
A/Ex ia IIC T3/Ga, A/Ex d ia IIC T4/T3/Gb, IECEx Ex ia I Ma
Ex ia IIC T3 Ga, Ex d ia I Mb, Ex d ia IIC T4/T3 Gb
CE mark Electromagnetic Compatibility (Directive 2004/108/EC);
ATEX (Directive 94/9/EC)
MED Marine Equipment Directive (Directive 96/98/EC)

X-AM 2500 ORDER NO.	NiMH w/charger kit	Alkaline Battery Pack
X-am 2500 Ex/CO	**45 42 283**	**45 42 284**
X-am 2500 Ex/H_2S	**45 42 285**	**45 42 286**
X-am 2500 Ex/O_2/CO/H_2S-LC	**45 42 261**	**45 42 262**
X-am 2500 Ex/O_2/CO/NO_2	**45 42 263**	**45 42 264**
X-am 2500 Ex/O_2/CO	**45 42 265**	**45 42 266**
X-am 2500 Ex/O_2/H_2S-LC	**45 42 267**	**45 42 268**
X-am 2500 Ex/O_2	**45 42 269**	**45 42 270**
X-am 2500 O_2/CO/H_2S-LC	**45 42 273**	**45 42 274**
X-am 2500 Ex	**45 42 271**	**45 42 272**
X-am 2500 O_2/CO	**45 42 275**	**45 42 276**
X-am 2500 O_2/H_2S-LC	**45 42 277**	**45 42 278**
X-am 2500 Ex/O_2/H_2S-LC/SO_2	**45 42 279**	**45 42 280**
X-am 2500 CO/H_2S		**45 42 282**

Other gas configurations are available upon request.

POWER SUPPLY UNITS

NiMH power pack T4 with charging module and PSU (complete set)	**83 18 785**
NiMH power pack T4	**83 18 704**
Alkaline power pack (w/o batteries)	**83 22 237**
Alkaline batteries T4 (2 pcs.) for power pack 83 22 237	**83 22 240**