

► X-am® 8000

Portable multi gas detector (up to 7 gases)



Technical specifications

Can simultaneously detect up to 7 gases

Combustible gases (catalytic or infrared), amines, Cl₂, ClO₂, CO, CO₂ (electrochemical or infrared), H₂, H₂S, HCN, NH₃, NO, NO₂, O₂, O₃, PH₃, SO₂ and volatile organic compounds (10.6 eV PID lamp)

Alarms:

- Visual: 3 LED red (gas alarms) + 3 LED yellow (device alarms)
- Acoustic Multi-tone, typically 100 dB(A) at 30 cm & Vibration

Dimensions (H x W x D): 179 x 77 x 42 mm

Weight: Approx. 495 g without pump (550 g with pump)

Ingress protection class: IP 67

Temperature: -20° C to 50° C

Ambient conditions: Relative humidity 10 to 90% RH

Power supply: Lithium-ion battery, rechargeable & inductive

Run time:

- From 15 up to 20 hours depending on the configuration
- Charging time: < 4 hours

Pump operation:

- Automatic activation upon detector startup
- 30 meters maximal hose length
- No tools required

Certifications:

- ATEX: I M1 Ex ia I Ma
II 1G Ex ia IIC T4/T3 Ga
- CS1 (USA): Div.1, Class I, Groups A,B,C,D T4/T3
A/Ex ia IIC T4/T3 /Ga
- IEC: Ex ia I Ma
Ex ia IIC T4/T3 Ga for MQG 01
- CE marking: Electromagnetic compatibility 2004/108/CE
ATEX Directive 94/9/CE
- MED: Marine Equipment Directive 96/98/EC

Product description

► Many gas monitoring options

Equipped with a user-friendly colored display and the latest gas detection technologies, the **X-am® 8000** multi gas monitor can simultaneously detect up to 7 gases including: combustible gases, amines, Cl₂, ClO₂, CO, CO₂, H₂, H₂S, HCN, NH₃, NO, NO₂, O₂, O₃, PH₃, SO₂ and volatile organic compounds (VOC).

► Ergonomic and robust

Convenient with its ergonomic design, the **X-am® 8000** features three function keys for easy one-hand operation. The easy-to-read colored display clearly lays out useful information to its user. Especially designed for use in extreme industrial environments, the **X-am® 8000** features a rubber overmold and enhanced safety in case of shocks or vibrations. It is water- and dust-proof in compliance with the IP 67 ingress protection standard and can properly operate even after being plunged into water.

► Long-lasting high performance sensors

- To monitor hard-to-detect hydrocarbons, the **X-am® 8000** features two high-performance PID sensors. A high concentration PID sensor that covers a measuring range between 0 and 2,000 ppm (isobutylene), and a low concentration PID sensor particularly well-suited to a measuring range between 0 and 10 ppm (isobutylene) with a low range resolution.
- The IR Explo infrared sensors can detect explosive and flammable hydrocarbons in LEL as well as in percentage of the volume; and the IR CO₂ infrared sensor - which features an excellent measuring resolution (0,01 Vol.-%) - can reliably and accurately detect harmful concentrations of carbon dioxide in ambient air.
- Electrochemical sensors are particularly resistant and feature an excellent stability and an outstanding durability - over 4 years - which helps on reducing operating costs

► Inductive charging system

The X-am 8000 detector features induction charging for easy operation and improved life time. Now operators don't face issues like corrosion or contact problems with the charging cradle anymore.



► Optimized pump mode

The X-am 8000 multi gas detector can be equipped with a very powerful gas sampling pump to draw samples up to 45 meters away. A pump adaptor enables users to easily switch from diffusion mode to pump mode in order to preserve battery life, reduce pump wear and improve service life.

Sensors references



Gas	Measuring range	Resolution	Part Number
PID LC ppb / Low concentration (10.6 eV lamp)	0.05 - 10 ppm isobutylene 0 - 5 ppm benzene	depending on measurement (starting at à 10 ppb)	68 13 500
PID HC / High concentration (10.6 eV lamp)	0 - 2000 ppm isobutylene 0 - 1000 ppm benzene	depending on measurement (starting at 0.1 ppm)	68 13 475
Ex (IR)	0 - 100 % LIE	1 % LIE	68 12 180
CO ₂ (IR)	0 - 5 %/vol.	0,01 %/vol.	68 12 190
Ex / CO ₂ (IR)	0 - 100 % LIE 0 - 5 %/vol.	1 % LIE 0,01 %/vol.	68 12 190
Amine	0 - 100 ppm	1 ppm	68 12 545
Cl ₂ (Br ₂ , F ₂ , ClO ₂)	0 - 20 ppm	0,05 ppm	68 10 890
CO	0 - 2 000 ppm	2 ppm	68 13 210
CO / 5 years lifetime	0 - 2 000 ppm	2 ppm	68 12 212
CO / H ₂ compensated	0 - 2 000 ppm	2 ppm	68 11 950
CO / High concentration	0 - 10 000 ppm	5 ppm	68 12 010
CO / H ₂ S	0 - 2 000 ppm CO 0 - 200 ppm	2 ppm 1 ppm	68 11 410
CO ₂	0 - 5 %/vol.	0,1 %/vol.	68 10 889
COCl ₂	0 - 10 ppm	0,01 ppm	68 12 005
H ₂	0 - 2 000 ppm	5 ppm	68 12 370
H ₂ / High concentration	0 - 4 %/vol.	0,01 %/vol.	68 12 025
H ₂ S	0 - 200 ppm	1 ppm	68 10 883
H ₂ S / 5 years lifetime	0 - 200 ppm	1 ppm	68 12 213
H ₂ S / Low concentration	0 - 100 ppm	0,1 ppm	68 11 525
H ₂ S / High concentration	0 - 1 000 ppm	2 ppm	68 12 015
HCN	0 - 50 ppm	0,1 ppm	68 10 887
HCN	0 - 50 ppm	0,5 ppm	68 13 165
NH ₃	0 - 300 ppm	1 ppm	68 10 888
NO	0 - 200 ppm	0,1 ppm	68 11 545
NO ₂	0 - 50 ppm	0,1 ppm	68 10 884
NO ₂ / Low concentration	0 - 50 ppm	0,02 ppm	62 12 600
O ₂	0 - 25 %/vol.	0,1 %/vol.	68 10 881
O ₂ / 5 years lifetime	0 - 25 %/vol.	0,1 %/vol.	68 12 211
O ₂	0 - 100 %/vol.	0,5 %/vol.	68 12 385
O ₃	0 - 10 ppm	0,01 ppm	68 12 005
Odorant	0 - 40 ppm	0,5 ppm	68 12 535
OV	0 - 200 ppm	0,5 ppm	68 11 530
OV-A	0 - 200 ppm	1 ppm	68 11 535
PH ₃	0 - 20 ppm	0,01 ppm	68 10 886
PH ₃ (AsH ₃ , B ₂ H ₆ , GeH ₄ , SiH ₄ , H ₂ Se)	0 - 2 000 ppm	1 ppm	68 12 020
SO ₂	0 - 100 ppm	0,1 ppm	68 10 885

Items references

Designation	Reference
Pack X-am 8000 diffusion version including: the device with its battery (lithium-ion), data logger, battery charger, strap, conformity & calibration certificate	83 25 800-D
Pack X-am 8000 pump version	83 25 800-P
Removable rubber protection	83 25 858
Vertical position stand for the device (use example: area monitoring)	83 25 874
Dräger GasVision7	83 25 646
DIRA USB kit with USB wire and IR communication adaptor	83 17 409
USB DIRA dongle holder (mounting on device)	83 25 859

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