

## ► X-am® 5000

### Portable multi gas detector (up to 5 gases)



### Technical specifications

#### Can simultaneously detect up to 5 gases

Combustible gases (catalytic), Amines, Cl<sub>2</sub>, ClO<sub>2</sub>, CO, CO<sub>2</sub>, H<sub>2</sub>, H<sub>2</sub>S, HCN, NH<sub>3</sub>, NO, NO<sub>2</sub>, PH<sub>3</sub>, SO<sub>2</sub> and organic vapors

#### Alarms:

360° ultra-bright LED, 90 dB at 30 cm and vibrating

**Dimensions (L x H x P) :** 48 x 130 x 44 mm – Weight 250 g

**Ambient conditions:** -20° to +50°C / 10% to 95% HR

**Ingress protection:** IP 67

#### Run time:

- 12 hours with NiMH battery
- Charging time: < 4 hours

#### Data logger:

Can be read out via Infrared > 1,000 hours with 5 gases and a recording interval of 1 value per minute

#### Pump operation:

No tools required / Pump automatic ignition / Maximum hose length: 30m

#### Certifications:

- ATEX : M1 Ex ia I Ma  
II 1G Ex ia IIC T4/T3 Ga
- CSA (USA) : Div.1, Classe I, Groupes A,B,C,D T4/T3  
A/Ex ia IIC T4/T3 /Ga
- IEC : Ex ia I Ma  
Ex ia IIC T4/T3 Ga
- Marquage CE : Compatibilité électromagnétique 2004/108/CE  
ATEX Directive 94/9/CE
- MED Marine Equipement Directive 96/98/CE

### Product description

#### ► Various monitoring possibilities

Thanks to the combination of ergonomic design and innovative infrared technology, the **X-am® 5000** is the world's smallest gas detection device. This 1-to-5 gas detector reliably monitors concentrations of combustible gas, amines, Cl<sub>2</sub>, ClO<sub>2</sub>, CO, CO<sub>2</sub>, H<sub>2</sub>, H<sub>2</sub>S, HCN, NH<sub>3</sub>, NO, NO<sub>2</sub>, O<sub>2</sub>, O<sub>3</sub>, PH<sub>3</sub>, SO<sub>2</sub> and organic vapors.

#### ► Small yet robust

Small, light and easy to use - the **X-am® 5000** is designed for use in tough industrial environments. The integrated rubber overmold and the shock-resistant sensors provide reinforced protection in case of impact or vibrations. The device is water and dustproof according to the IP 67 standard to provide optimal functionality even after being immersed into water.

#### ► Poison-resistant Ex sensor

The innovative catalytic Ex sensor is highly resistant against sensor poisons such as silicone and hydrogen sulfide. In combination with its long term stability this offers an extraordinary long expected sensor lifetime of more than 4 years.

#### ► High performance electrochemical sensors

Equipped with the durable XXS sensors, the Dräger **X-am® 5000** offers maximum safety with low operating costs. Thanks to their resistance and excellent stability, the sensors feature an outstanding durability with more than 4 years lifetime, that allows reduced operating costs.

#### ► Suitable for Ex-Zone 0

The X-am® 5000 is Ex approved for zone 0. Thus the device is efficient in areas classified as ATEX zone 0, which are areas where explosive atmospheres are always to be expected.

#### ► Diffusion or pump mode

An optional external pump with a 30 meters hose can be added for remote control before intervention in pits or tanks or to search for leaks. The pump automatically activates upon ignition of the device. It is then easy to switch from diffusion to pump mode and no tool is required.

#### ► An innovative area monitoring

The X-zone 5500 area monitor transforms the Dräger X-am 5000, 5100 and 5600 personal gas detectors into innovative area monitors. A patented combination for increased safety levels: in addition to handheld personal protective devices, these area monitors can be placed where hazardous gases might be released.



## Sensors references



Gas	Measuring range	Resolution	Part Number
Ex (Cathalytic)	0 - 100 % LIE 0 - 100 % vol. CH4	1 % LIE	68 12 950
Amine	0 - 100 ppm	1 ppm	68 12 545
Cl2	0 - 20 ppm	0,05 ppm	68 10 890
CO	0 - 2 000 ppm	2 ppm	68 11 882
CO / 5 years lifetime	0 - 2 000 ppm	2 ppm	68 11 212
CO / H2 compensated	0 - 2 000 ppm	2 ppm	68 11 950
CO / Hight concentration	0 - 10 000 ppm	5 ppm	68 12 010
CO / H2S	0 - 2 000 ppm CO 0 - 200 ppm	2 ppm 1 ppm	68 11 410
CO2	0 - 5 %/vol.	0,1 %/vol.	68 10 889
COCl2	0 - 10 ppm	0,01 ppm	68 12 005
H2	0 - 2 000 ppm	5 ppm	68 12 370
H2 / Hight concentration	0 - 4 %/vol.	0,01 %/vol.	68 12 025
H2S	0 - 200 ppm	1 ppm	68 10 883
H2S / 5 years lifetime	0 - 200 ppm	1 ppm	68 10 213
H2S / Low concentration	0 - 100 ppm	0,1 ppm	68 11 525
H2S / Hight 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
NH3	0 - 300 ppm	1 ppm	68 10 888
NO	0 - 200 ppm	0,1 ppm	68 11 545
NO2	0 - 50 ppm	0,1 ppm	68 10 884
NO2 / Low concentration	0 - 50 ppm	0,02 ppm	62 12 600
O2	0 - 25 %/vol.	0,1 %/vol.	68 12 881
O2 / 5 years lifetime	0 - 25 %/vol.	0,1 %/vol.	68 12 211
O2	0 - 100 %/vol.	0,5 %/vol.	68 12 385
O3	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
PH3	0 - 20 ppm	0,01 ppm	68 10 886
PH3	0 - 2 000 ppm	1 ppm	68 12 020
SO2	0 - 100 ppm	0,1 ppm	68 10 885

## Items references

Designation	Reference
X-am 5000 detector with support CD and conformity and calibration certificates	83 20 000
Standard charging kit with charging module and individual power supply (universal)	83 18 785
Dräger X-am® 1/2/5x00 external pump	83 27 115
Confined space entry kit with external pump and 3 meters hose	83 27 117
Carrying case for Dräger X-am® 1/2/5x00 external pump (empty)	83 27 104
Dräger GasVision7	83 25 646
DIRA USB kit with USB wire and IR communication adaptor	83 17 409

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