**X-am® 5100**

Portable exotic gas detector (H2O2, HBr, HCl, HN03, N2H4 or PCl3)

### Product description

The Dräger X-am 5100 is designed to monitor hydrazine, hydrogen peroxide, hydrogen chloride and hydrogen fluoride gases and vapors.

Risks related to these gases are hard to detect as they are absorbed by different surfaces.

A special device designed with a direct gas entry point provides fast sensor response and precise measurements by preventing gas adsorption by the device’s housing. XS sensors provide fast response for these special gases.

The Dräger X-am 5100 can only be used in diffusion mode. H2O2 and N2H4 sensors have to get a minimum of one calibration per year.

For HCL sensors, a bump test must be performed before each use of the sensor. This calibration should be done with the reference gas (HCL) with concentration between 3 and 30 ppm or using one of the following target gases: NO3, HBr, POCl3, PCl3, HF. Because of the specificity of these sensors and target gases, a minimum calibration is recommended every six months.

The Dräger X-am 5100 also features many accessories like a USB-IR wire for data transfer, a vehicle charger or communication accessories…

### Caractéristiques techniques

- **H2O2 sensor measuring range:** 0-20 ppm
- **N2H4 sensor measuring range:** 0-5.0 ppm
- **H2O2 sensor measuring range/relative sensitivity (HCL):**
  - 0 to 30 ppm HCL (hydrochloric acid) / 1.00
  - 0 to 30 ppm HNO3 (nitric acid) / 1.00
  - 0 to 30 ppm HBr (Hydrogen bromide) / 1.00
  - 0 to 30 ppm POCl3 (Phosphoryl chloride) / 1.00
  - 0 to 30 ppm PCl3 (Phosphorus trichloride) / 3.00
  - 0 to 30 ppm HF (Hydrogen fluoride) / 0.66
- **Detection limit:** 1 ppm
- **Resolution:** 0.1 ppm
- **Temperature:** –20 à +50 °C
- **Pressure:** 700 à 1 300 mbar
- **Relative Humidity:** 10 à 95 % RH
- **Ingress protection:** IP 54

### Alarms:
- Visual: 360°
- Audible: Multi-tone alarm > 90 dB at 30 cm
- Vibrating: yes

### Power supply:
- Alkaline power pack, NiMH rechargeable alkaline batteries, T4 rechargeable batteries
- **Battery life:** from 150 to 180 hours
- **Charging time:** < 4 hours

### Compatible sensors:
- XS H2O2, HS Hydrazine, XS HF/HCL sensors
- **Operating time:** unlimited

### Data logger:
- Retrievable using an infrared interface > 1000 h at a recording interval of 1 value per minute.

### Certifications, dimensions & Weight

#### Certifications:
- **ATEX:** IM1ExiaIMa
  - II 1G Ex ia IIC T4/T3 Ga
- **IECEx:** ExiaIMa
  - Ex ia IIC T4/T3 Ga
- **cs CSA us:**
  - Classe I, Div. 1, Groupes A, B, C, D TC T4/T3
  - Classe I, Zone 0, A/Ex ia IIC T4/T3 /Ga
- **CE mark:** Electromagnetic compatibility (Guideline 2004/108/EC)

#### Dimensions (l x h x p):
- 47 x 129 x 55 mm

#### Weight:
- 220 g