

## ► X-am® 5100

Portable exotic gas detector (H<sub>2</sub>O<sub>2</sub>, HBr, HCl, HNO<sub>3</sub>, N<sub>2</sub>H<sub>4</sub> or PCl<sub>3</sub>)



### Caractéristiques techniques

**H<sub>2</sub>O<sub>2</sub> sensor measuring range:** 0-20 ppm

**N<sub>2</sub>H<sub>4</sub> sensor measuring range:** 0-5.0 ppm

**H<sub>2</sub>O<sub>2</sub> sensor measuring range/relative sensitivity (HCL):**

- 0 to 30 ppm HCL (hydrochloric acid) / 1.00
- 0 to 30 ppm HNO<sub>3</sub> (nitric acid) / 1.00
- 0 to 30 ppm HBr (Hydrogen bromide) / 1.00
- 0 to 30 ppm POCl<sub>3</sub> (Phosphoryl chloride) / 1.00
- 0 to 30 ppm PCl<sub>3</sub> (Phosphorus trichloride) / 3.00
- 0 to 30 ppm HF (Hydrogene 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 H<sub>2</sub>O<sub>2</sub>, 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.

### 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.

H<sub>2</sub>O<sub>2</sub> and N<sub>2</sub>H<sub>4</sub> 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: NO<sub>3</sub>, HBr, POCl<sub>3</sub>, PCl<sub>3</sub>, 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...



### Certifications, dimensions & Weight

#### Certifications:

**ATEX:** IM1ExialMa  
 II 1G Ex ia IIC T4/T3 Ga

**IECEx:** ExialMa  
 Ex ia IIC T4/T3 Ga

**c 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