

▶ WatchGas PDM

2 year disposable single gas detector (CO, H₂, H₂S, NH₃, SO₂ or O₂)



Technical specifications

The **WatchGas PDM** disposable single gas detector continuously, accurately and reliably measures concentrations of CO, H₂, H₂S, NH₃, SO₂ or O₂ even in the harshest conditions. Thanks to its rough design, sensor fast response time and powerful battery, it can safely monitor gases for up to two years without servicing.

Dimensions: 49 x 84 x 40 mm

Weight: Toxic: 93 grams • Oxygen: 104 grams

Operating life: 24 months from start-up

Sensor technology: electrochemical sensor

Reading: measure display on LCD screen

Alarms: visual, 95 dB audible and vibrating

Data logging: last 30 events

Battery technology: DC 3.6V, 1.2Ah Lithium

Air humidity: 5% ~ 95% RH (non-condensing)

Case matériel: Polycarbonate and rubber

Ingress protection : IP67

Certifications :

ATEX : II 1g Ex ia IIC T4

CSA : C1, D1, Groups A, B, C, D, T4

IECEX : Ex ia IIC T4 Ga

▶ Key points

- Lightweight and compact
- 2 year runtime, without maintenance and servicing
- Data logging of last 30 events
- Dust and water resistant (IP67)
- Audiovisual and vibrating alarms

Product description

▶ 2 year continuous runtime

The WatchGas PDM is very easy-to-use. Once powered, the device automatically activates and requires no setup. This way, it can be used continuously during two years without any maintenance.

▶ High performance in a small housing

Thanks to its small size and its crocodile clip, the WatchGas PDM can be worn on the belt or directly on a collar without disturbing its user. This device is small, lightweight, ergonomically designed and waterproof (in compliance with the IP67 standard).

▶ Great ease of use

The large LCD display clearly indicates gas concentration. Thanks to a powerful backlit display, any information can be clearly read even in the darkest areas. The screen can display maximum concentration measured during the period. It is also possible to see recorded alarms even if they were already acknowledged.

▶ Convenient and user-friendly accessories

The WatchGas PDM features a large range of accessories including a 4 slots docking station and an IR Connect programmer. The portable WDS – WatchGas Docking Station – can simultaneously manage up to 4 detectors. The WDS can adjust alarm thresholds, perform bump tests, calibrate gas detectors and retrieve the last 30 alarm events.



The WIR – Watchgas IR – infrared module enables detector configuration (alarm thresholds) and data retrieving of the last 30 alarm events.

Gas	Measuring range	Alarm Threshold (A1/A2)	Code
Ammonia	0 - 100 ppm NH ₃	10/20 ppm	71 81 415
Sulfur dioxide	0 - 100 ppm SO ₂	0.5/1.0 ppm	71 81 414
Hydrogen	0 - 1000 ppm H ₂	50/100 ppm	71 81 416
Hydrogen sulfide	0 - 100 ppm H ₂ S	5/10 ppm	71 81 413
Carbon monoxide	0 - 500 ppm CO	30/60 ppm	71 81 412
Oxygen	0 - 30 % vol. O ₂	19/23 % vol.	71 81 411
WatchGas Infrared module WIR			71 89 170