**WatchGas PDM**

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

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**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.

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

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**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 material:** 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

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**Gas** | **Measuring range** | **Alarm Threshold (A1/A2)** | **Code**
---|---|---|---
Ammonia | 0 - 500 ppm CO | 10/20 ppm | 71 81 415
Sulfur dioxide | 0 - 100 ppm | 0.5/1.0 ppm | 71 81 414
Hydrogen | 0 - 1000 ppm H2 | 50/100 ppm | 71 81 416
Hydrogen sulfide | 0 - 100 ppm H2S | 5/10 ppm | 71 81 413
Carbon monoxide | 0 - 500 ppm CO | 30/60 ppm | 71 81 412
Oxygen | 0 - 30 % vol. O2 | 19/23 % vol. | 71 81 411

**WatchGas Infrared module WIR** | 71 89 170