

# PDM - OUTSTANDING SINGLE GAS DETECTOR

For O<sub>2</sub>, CO, H<sub>2</sub>S, SO<sub>2</sub>, NH<sub>3</sub>, H<sub>2</sub>, or NO<sub>2</sub>



## KEY FEATURES

- Lightweighted & Compact
- Stores up to 30 events
- Low cost of ownership
- 2 years of use
- IP-67
- Fast bump tests and calibration with Docking Station

## APPLICATION EXAMPLES

- Storage
- Installation companies
- Chemical Industry
- Food and beverages Industry



The PDM is a full-featured single-gas detector that offers you unequaled value. The PDM single gas detector is your daily monitor for hazardous environments, because of its high reliability and user-friendliness. PDM is the most costeffective way to ensure safety. It operates up to two years maintenance-free, just turn on the device and it runs continuously — no need for battery charging and replacements of sensors and batteries. That means great reliability and no downtime.

The PDM is easy to wear, the backside of the device has a strong metal clip to secure the monitor to a shirt, belt or helmet. The PDM devices are compatible with WatchGas Docking Station and WatchGas IR Link. Both devices provide the function to download the data of the PDM single-gas monitor. PDM can be calibrated or bump tested manually. The PDM Family Multi Docking Station will automatically calibrate four devices simultaneously, which reduces downtime and gas consumption.

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## DETECTOR SPECIFICATIONS

<b>SIZE</b>	48mm(W) x 85mm(H) x 22mm(D) (Sensor and clip excluded)
<b>WEIGHT</b>	93g (Toxic), 104g (O <sub>2</sub> ) (Battery, clip included)
<b>SENSOR TECHNOLOGY</b>	Electrochemical Cell
<b>TEMPERATURE</b>	-40°C ~ +50°C (Toxic) / -35°C ~ +50°C (O <sub>2</sub> )
<b>HUMIDITY</b>	5% ~ 95% RH (Non-condensing)
<b>ALARM TYPE</b>	High Alarm, Low Alarm, Over range alarm, Battery Alarm
<b>ALARM SIGNAL</b>	Acoustic: 95dB @ 30cm Visual: Red flashing LED's Vibration alarm
<b>DISPLAY</b>	LCD Display
<b>CALIBRATION</b>	2-point calibration, zero and span
<b>EVENT LOG</b>	30 Most recent events
<b>BATTERY</b>	Lithium Primary Battery SB-AA02(P) 3.6V, 1.2Ah
<b>MEASUREMENT</b>	Diffusion
<b>HOUSING</b>	Polycarbonate and rubber
<b>ACCURACY DEVIATION</b>	2-3%
<b>IP-RATING</b>	IP67
<b>SAFETY CERTIFICATIONS</b>	<b>ATEX</b> : II 1g Ex ia IIC T4 <b>CSA</b> : 1, D1, Groupes A, B, C, D, T4 <b>INMETRO</b> : Ex ia IIC T4 Ga <b>IECEX</b> : Ex ia IIC T4 Ga <b>CE</b> : Conformité Européenne
<b>SENSOR LIFE</b>	24 months with Normal Alarm Use 1 time and 2 minutes per day
<b>WARRANTY</b>	24 months

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## SENSOR SPECIFICATIONS

MODEL	DETECTABLE GAS RANGES	RESOLUTION	ARTICLE NUMBER
PDM O <sub>2</sub>	0-30% vol	0.1% vol	7181411
PDM CO	0 - 500 ppm	1 ppm	7181412
PDM H <sub>2</sub> S	0 - 100 ppm	0.1 ppm	7181413
PDM SO <sub>2</sub>	0 - 50 ppm	0.1 ppm	7181414
PDM NH <sub>3</sub>	0 - 100 ppm	1 ppm	7181415
PDM H <sub>2</sub>	0 - 1000 ppm	1 ppm	7181416
PDM NO <sub>2</sub>	0 - 20 ppm	0.1 ppm	7181417

## ORDER INFORMATION FOR ACCESORIES

DESCRIPTION	ARTICLE NUMBER
WatchGas PDM IR Link	7189170
WatchGas PDM Family Mono Dock	7189172
WatchGas PDM Family Multi Dock	7189179
Calibration cap for WatchGas PDM	7177200
PDM leather protective case	7189120

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## ACCESSORIES



**PDM Family  
Multi Docking Station**



**PDM Family  
Mono Docking Station**



**IR-Link**



**Calibration Gases**

**The PDM Comes complete with the following items:**

- Calibration adapter
- Manual

## FOR MORE INFORMATION

[www.watchgas.com](http://www.watchgas.com)

[info@watchgas.com](mailto:info@watchgas.com)

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