

The PDM is a full-featured single-gas detector that offers you unequalled 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 cost-effective 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.

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

DETECTOR SPECIFICATIONS

Size	48mm(W) x 85mm(H) x 22mm(D) (Sensor and clip excluded)
Weight	93g (Toxic), 104g (O ₂) (Battery, clip included)
Sensor technology	Electrochemical Cell
Temperature	-40°C ~ +50°C (Toxic) / -35°C ~ +50°C (O ₂)
Humidity	5% ~ 95% RH (Non-condensing)
Alarm type	High Alarm, Low Alarm, Over range alarm, Battery Alarm
Alarm signal	Acoustic: 95dB @ 30cm Visual: Red flashing LED's Vibration alarm
Display	LCD Display
Calibration	2-point calibration, zero and span
Event log	30 Most recent events
Battery	Lithium Primary Battery SB-AA02(P) 3.6V, 1.2Ah
Measurement	Diffusion
Housing	Polycarbonate and rubber
Accuracy deviation	2-3%
IP-Rating	IP67
Safety certifications	ATEX: II 1G Ex ia IIC T4 Ga CSA: Class 1, Zone 0, Ex ia IIC T4 Ga INMETRO: Ex ia IIC T4 Ga IECEX: Ex ia IIC T4 Ga CE: Conformité Européenne
Sensor Life	24 months with Normal Alarm Use 1 time and 2 minutes per day
Warranty	24 months

SENSOR SPECIFICATIONS

Model	Detectable Gas Ranges	Resolution	Article Number
PDM O ₂	0-30% vol	0.1% vol	7181411
PDM CO	0-500 ppm	1 ppm	7181412
PDM H ₂ S	0-100 ppm	0.1 ppm	7181413
PDM SO ₂	0-50 ppm	0.1 ppm	7181414
PDM NH ₃	0-100 ppm	1 ppm	7181415
PDM H ₂	0-1000 ppm	1 ppm	7181416
PDM NO ₂	0-20 ppm	0.1 ppm	7181417

ORDER INFORMATION FOR ACCESSORIES

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

ACCESSORIES



**PDM Family
Multi Docking Station**



**PDM Family
Mono Docking Station**



IR-Link



Calibration Gases



*Also check out our
Sustainable PDM+
range on the WatchGas
website!*

THE PDM COMES COMPLETE WITH THE FOLLOWING ITEMS:

- Calibration adapter
- Manual