

PDM+ is a single sustainable gas monitor designed to detect oxygen deficiency or the presence of toxic gas in the ambient environment. The PDM+ is sustainable, hence its battery and sensor can be replaced. When turned on, PDM+ continuously monitors ambient air for the presence of a specific gas and alerts the user to potentially unsafe exposure with LED, vibrating, and audible alarms. After use, the instrument can be turned off, making the battery last up to three years.

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. The 30 most recent events will be stored on an internal event logger.

PDM+ can be calibrated or bump tested manually. The PDM Family Multi EDocking Station will automatically calibrate four devices simultaneously, which reduces downtime and gas consumption.



Key Features

- Low total cost of ownership
- IP-67
- ATEX Zone 0
- Stores up to 30 most recent events
- Lightweighted and compact
- Fast bump tests with Docking Station
- Has TWA and STEL
- Replaceable battery

Application Examples

- Storage
- Installation companies
- (Petro) Chemical Industry
- Food and beverages Industry

DETECTOR SPECIFICATIONS

Size	48mm(W) x 85mm(H) x 22mm(D)
Weight	93g (Toxic), 104g (O ₂) (Battery, clip included)
Sensor technology	Electrochemical Cell
Temperature	-40°C ~ +50°C (for Toxic) / -35°C ~ +50°C (for O ₂)
Humidity	5% ~ 95% RH (Non-condensing)
Alarm type	High Alarm, Low Alarm, TWA Alarm, STEL Alarm, Over range Alarm, Battery low alarm, Bump test and calibration due notification
Alarm signal	Acoustic: 95dB @ 30cm Visual: Red flashing LED's Vibration: Vibration
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 INMETRO: Ex ia IIC T4 Ga IECEX: Ex ia IIC T4 Ga CE: Conformité Européenne
Warranty	24 Months: O ₂ , CO, H ₂ S, H ₂ , SO ₂ , NH ₃ , and NO ₂ 12 months: H ₂ O ₂

SENSOR SPECIFICATIONS

Model	Detectable Gas Ranges	Resolution	Article Numbers
PDM+ O ₂	0 - 30 %vol	0.1 %vol	7192002
PDM+ CO	0 - 500 ppm	1 ppm	7192001
PDM+ CO High Range	0-2000 ppm	1 ppm	7192009
PDM+ H ₂ S	0 - 100 ppm	0.1 ppm	7192000
PDM+ H ₂	0 - 1000 ppm	1 ppm	7192005
PDM+ SO ₂	0 - 50 ppm	0.1ppm	7192004
PDM+ NH ₃	0 - 100 ppm	1 ppm	7192003
PDM+ H ₂ O ₂ NON-ATEX	0 - 99 ppm	0.1 ppm	7192007
PDM+ NO ₂	0 - 20 ppm	0.1 ppm	7192011

ORDER INFORMATION FOR ACCESORIES

Model	Article Numbers
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**

THE PDM+ COMES COMPLETE WITH THE FOLLOWING ITEMS:

- Calibration adapter
- Manual



IR-Link



Sampling Pump



Calibration Gases



Also check out our PDM range on the WatchGas website!