

PDM+ - SUSTAINABLE SINGLE GAS DETECTOR

For O₂, CO, H₂S, H₂, SO₂, NH₃, H₂O₂ or NO₂



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



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 Docking Station will automatically calibrate four devices simultaneously, which reduces downtime and gas consumption.

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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 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 CSA : 1, D1, Groupes A, B, C, D, T4 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

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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+ CO High Range	0 - 2000 ppm	1 ppm	7181413
PDM+ H ₂ S	0 - 100 ppm	0.1 ppm	7181414
PDM+ H ₂	0 - 1000 ppm	1 ppm	7181415
PDM+ SO ₂	0 - 50 ppm	0.1 ppm	7181416
PDM+ NH ₃	0 - 100 ppm	1 ppm	7181417
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

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**

The PDM+ comes complete with the following items:

- Calibration adapter
- Manual



Sampling Pump



IR-Link



Calibration Gases



Also check out our PDM range on the WatchGas website!

FOR MORE INFORMATION

www.watchgas.com

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