

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 Docking 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 events
- Lightweighted and compact
- Fast bump tests with Docking Station

Application examples

- (Petro) chemical industry
- Installation companies



	Detectable Gas Ranges
O ₂	0-30 %vol
CO	0-500 ppm
H ₂ S	0-100 ppm
H ₂	0-1000 ppm
SO ₂	0-50 ppm
NH ₃	0-100 ppm

Detector specifications

Model	PDM+					
	O ₂	CO	H ₂ S	SO ₂	NH ₃	H ₂
Resolution	0.1%Vol	1 ppm	0.1 ppm	0.1 ppm	1 ppm	1 ppm
Sensor Technology	Electrochemical Cell					
Measurement	Diffusion type					
Display	LCD Display					
Alarms	Acoustic: 95dB Visual: Red flashing LED's Vibration: Vibration					
Battery	Nominal voltage: 3.6V / Nominal capacity: 1.2Ah					
Event log	30 Most recent events					
Operating Temperature	-40°C ~ +50°C (for Toxic) / -35°C ~ +50°C (for O ₂)					
Operating Humidity	5% ~ 95% RH (Non-condensing)					
Dimensions	54mm(W) x 91mm(H) x 32mm(D)					
Weight	93g(Toxic), 104g(O ₂) (Battery, clip included)					
Enclosure Material	Polycarbonate and rubber					
IP Rating of Enclosure	IP67					
Approval	ATEX: II 1g Ex ia IIC T4 Ga		INMETRO: Ex ia IIC T4 Ga		IECEX: Ex ia IIC T4 Ga	

Part #.	Description	Availability
7192000	WatchGas PDM+ H ₂ S	Available
7192001	WatchGas PDM+ CO	Available
7192002	WatchGas PDM+ O ₂	Available
7192003	WatchGas PDM+ NH ₃	Coming soon
7192005	WatchGas PDM+ SO ₂	Coming soon
7192006	WatchGas PDM+ H ₂	Coming soon
7189170	WatchGas PDM IR Link	Available
7189172	WatchGas PDM Mono Dock	Available
7189179	WatchGas PDM Multi Dock	Available
7177200	Calibration cap for WatchGas PDM	Available

Accessories



PDM
Multi Dock



PDM
Mono Dock



IR-Link

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