

PDM+ is a single sustainable gas detector designed to detect oxygen deficiency and 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 in the event that gas concentration exceeds alarm set points. After use, the instrument can be turned off.

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 can be stored on a data carrier.

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

- Sensor and Battery Replacement
- Power on / off available
- Configuration via exclusive IR Link

## Detectable Gas Ranges

	Detectable Gas Ranges
O <sub>2</sub>	0-30% Vol
CO	0-500 ppm
H <sub>2</sub> S	0-100 ppm
SO <sub>2</sub>	0-50 ppm
NH <sub>3</sub>	0-100 ppm
H <sub>2</sub>	0-1000 ppm
No <sub>2</sub>	0-20 ppm

## Detector specifications

<b>Model</b>	<b>PDM</b>		
<b>Sensor Technology</b>	Electrochemical Cell		
<b>Measurement</b>	Diffusion type		
<b>Display</b>	LCD Display		
<b>Alarm</b>	95dB at 30cm		
<b>Warning Lamp</b>	Red Flashing LEDs (Light-Emitting Diode)		
<b>Vibration</b>	Vibration Alarm		
<b>Battery</b>	Nominal voltage: 3.6V / Nominal capacity: 1.2Ah		
<b>Event log</b>	30 Most recent events		
<b>Operating Temperature</b>	-40°C ~ +50°C (for Toxic) / -35°C ~ +50°C (for O <sub>2</sub> )		
<b>Operating Humidity</b>	5% ~ 95% RH (Non-condensing)		
<b>Dimensions</b>	54mm(W) x 91mm(H) x 32mm(D)		
<b>Weight</b>	93g(Toxic), 104g(O <sub>2</sub> ) (Battery, clip included)		
<b>Enclosure Material</b>	Polycarbonate and rubber		
<b>IP Rating of Enclosure</b>	IP67		
<b>Approval</b>	<b>ATEX:</b> II 1g Ex ia IIC T4 Ga	<b>INMETRO:</b> Ex ia IIC T4 Ga	<b>IECEX:</b> Ex ia IIC T4 Ga

## Accessories

Part #.	Description	Availability
7192000	WatchGas PDM+ H <sub>2</sub> S	Available
7192001	WatchGas PDM+ CO	Available
7192002	WatchGas PDM+ O <sub>2</sub>	Available
7192003	WatchGas PDM+ NH <sub>3</sub>	Coming soon
7192004	WatchGas PDM+ NO <sub>2</sub>	Coming soon
7192005	WatchGas PDM+ SO <sub>2</sub>	Coming soon
7192006	WatchGas PDM+ H <sub>2</sub>	Coming soon
7189170	WatchGas PDM IR Link	Available
7189172	WatchGas PDM 1-bay Docking station	Available
7189179	WatchGas PDM 4-bay Docking station	Available
7177200	Calibration cap for WatchGas PDM	Available



**PDM  
Multi Dock**



**PDM  
Mono Dock**



**IR-Link**

### WatchGas

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### For more information

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