watchgas
detection

PDM PRO CO$_2$
Sustainable single gas detector

KEY FEATURES

- Rugged, durable, impact-proof housing
- 14 days of battery life, full recharge in 100 minutes
- Event log that stores 30 most recent events
- Data log with a capacity of up to 64,000 data points
- Replaceable battery and sensor

APPLICATION EXAMPLES

- Food and beverage industries
- Laboratories
- Health Science
- Refrigeration
- Packaging industry
- Replaceable battery and sensor

CE

The **PDM PRO CO$_2$** is a single gas sustainable gas monitor designed to detect Carbon Dioxide (CO$_2$) in the ambient environment. The PDM PRO CO$_2$ is sustainable, hence its battery and sensor can be replaced. When the device is turned on, the PDM PRO CO$_2$ continuously monitors ambient air for the presence of CO$_2$ and alerts the user to potentially unsafe exposure with LED, vibrating and audible alarms. After use the instrument can be turned off. With an excellent battery life of 14 days and a recharge time of only 100 minutes, the PDM PRO CO$_2$ offers great versatility for any user.

The PDM PRO CO$_2$ is easy to wear. It is fitted with a strong metal clip to conveniently secure it to a shirt, belt or helmet. The fully-fledged data logging means readings are stored at one-minute intervals for future reference. The PDM PRO CO$_2$ is easy to manually bump test and calibrate.

DETECTOR SPECIFICATIONS

SIZE	54(W) x 99,5(H) x 38(D) mm
WEIGHT	135 grams
SENSOR TECHNOLOGY	Non-dispersive Infrared (NDIR)
TEMPERATURE	-20ºC ~ +50ºC
HUMIDITY	5% ~ 95% RH (non-condensing)
ALARM TYPE	High Alarm, Low Alarm, TWA Alarm, STEL Alarm, Over range Alarm, Battery low warning, Calibration due warning
ALARM SIGNAL	Acoustic: 90dB @ 10cm Visual: Red flashing LED's Vibration: Vibration alarm
DISPLAY	LCD Display
CALIBRATION	Manual 2-point calibration
DATALOG	Stores up to 64000 datapoints
EVENT LOG	30 Most recent events (overwriting)
OPERATING TIME	14 days
BATTERY CHARGING TIME	100 minutes
MEASURING RANGE	0-5%vol CO$_2$ or 0-50000ppm CO$_2$
SENSOR RESOLUTION	0.01 vol% or 100 ppm
HOUSING	Rubber enclosed polycarbonate
IP-RATING	IP67
RESPONSE TIME T$_{90}$	≤ 60sec
EMI/RFI	EMC directive (2014/30/EU)
SENSOR LIFE	5 years (expected)
SAFETY CERTIFICATIONS	**ATEX:** Non-ATEX **CE:** 2014/30/EU RoHS 2
WARRANTY	24 Months factory warranty
INCLUDED ACCESSORIES	Calibration Cap USB-C charger (Usable worldwide) User Manual Factory calibration certificate

SENSOR SPECIFICATIONS

SENSOR	DETECTABLE GAS RANGES	RESOLUTION	ARTICLE NUMBER
WatchGas PDM Pro CO$_2$ NDIR sensor	0-5% vol CO$_2$ 0-50000 ppm CO$_2$	0.01 %vol 100 ppm	7192008

ORDER INFORMATION FOR ACCESORIES

DESCRIPTION	ARTICLE NUMBER
WatchGas Last-O-More Gas Sampling Hose 5x8mm	7189170
WatchGas Sampling Pump	7189172
WatchGas Fixed Flow Regulator 0.5l/min	7189179
Calibration cap for WatchGas PDM	7177200

ACCESSORIES

Last-O-More Gas Sampling Hose

WatchGas Sampling Pump

Fixed Flow Regulator
0.5L per minute Stainless Steel or 1L per minute Stainless Steel regulators

Calibration Gas for CO₂ (Span) and N₂

The PDM PRO CO₂ comes complete with the following items:

- Calibration adapter
- Manual

Also check out the rest of our PDM Family range on the WatchGas website!

FOR MORE INFORMATION

www.watchgas.com
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