



PS200

Portable 4 Gas Monitor

Description

The PS200 Series combines quality, ruggedness and advanced technology in a user friendly, portable gas monitor. It is compact, lightweight, water resistant, extremely robust, and is certified to multiple international and regional standards.

The PS200 can measure any combination of LEL, O₂, CO and H₂S making it suitable for a wide range of personal monitoring and confined space applications.

In addition to extensive datalogging capabilities, the PS200 is available with an optional internal pump and an extensive range of accessories to meet a wide variety of user applications.

Importantly, the PS200 has been designed to enable easier user maintenance which includes a fully automatic calibration station to simplify product compliance.

Model No. PS241

Features

- Simple 2-button operation
- Any combination of LEL/O₂/CO/H₂S
- Audible, visual and vibrating alarms
- Fully certified
- Internal pump (optional)
- Datalogging capabilities (up to 6 months)
- Run-time up to 80 hours, when using low power LEL sensor (optional)
- Configurable operations
- Quick field calibration (optional)
- Lightweight
- Sensor integrity checking
- Robust construction
- Ease of maintenance



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Technical Specification

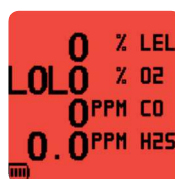
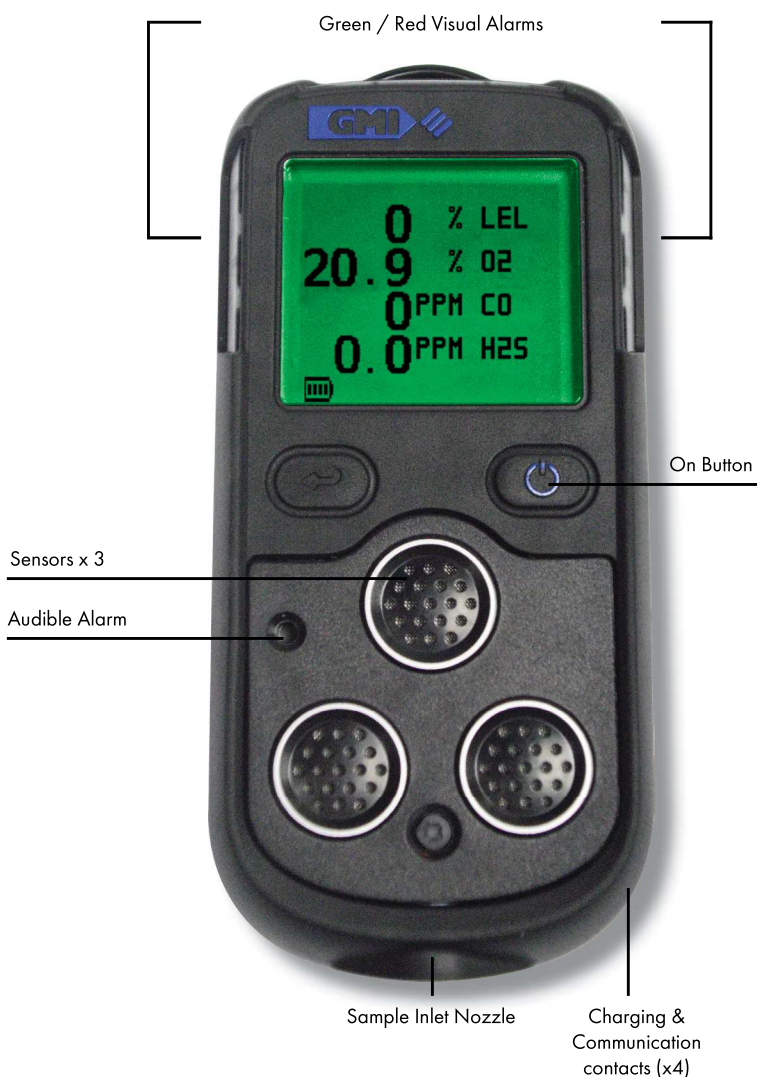
Size:	121 x 59 x 32mm (4.8" x 2.3" x 1.3")
Weight:	230g (8oz) with pump 215g (7.6oz) without pump
Temperature:	-20°C to +50°C (-4°F to 122°F)
Humidity:	0 to 95% R.H non-condensing
Alarms:	Highly visible flashing LED, piercing >90dB audible, vibrating
Display:	Green and red LCD backlight display
Datalogging	Timed: Minimum of 6 months timed datalogging* Session: Minimum of 360 logs Calibration: Minimum of 8 calibration logs Bump: Minimum of 360 logs
Battery:	Lithium Ion rechargeable battery Run Time: Up to **80 / 14 hrs (diffusion) Up to **20 / 8 hrs (pumped) Charging Time < 4 hrs
Enclosure:	High impact rubberized polycarbonate case
Drop Test:	3m (10 ft)
IP Rating:	IP67
Response Times (T90):	LEL = 15 secs (IEC 60079-29-1) O ₂ = 12 secs (BSEN 50104) CO < 20 secs H ₂ S < 20 secs
Approvals:	ATEX  II 2G Ex ia d IIC T4 Gb IECEX  Ex ia d IIC T4 Gb ATEX  II 1G Ex ia IIC T4 Ga* IECEX  Ex ia IIC T4 Ga* CSA   Combustible Instruments: Class I, Div. 1 Groups A, B, C, D Class I, Zone 1 AEx d ia IIC T4 Gb, Ex ia d IIC T4 Gb Class I, Div. 1 Groups C, D** Class I, Zone 0 AEx ia IIB T4 Ga, Ex ia IIB T4 Ga** Non-combustible instruments: Class I, Zone 0 AEx ia IIC T4 Ga, Ex ia IIC T4 Ga  1Ex dia IIC T3/T4 Gb  0Ex dia IIC T3/T4 Ga  MED (0038/YY) — Module B & E *** 
Warranty:	2 years standard warranty against faulty goods or workmanship from date of shipment from Teledyne. Consumable parts are not included. Warranty covers monitor assembly, power supply, and sensors.

* This is based on a gas event every 1-hour during a typical 8-hour shift with a datalog interval of every 1 minute.

** Low Power LEL sensor

*** Only applicable to marine variants with "M" prefix.

Features



Red display in alarm conditions



Configurable calibration options



Configurable bump options