

## THE MOST FLEXIBLE MULTI-GAS DETECTOR IN ITS CLASS.

The PS200 can measure any combination of LEL, O<sub>2</sub>, CO and H<sub>2</sub>S (or each gas individually) and display all the readings simultaneously on its colour display.

The user can also launch an automatic bump test at any time.

**The PS200 is supplied with the following accessories as standard:** a USB charging and communication cable, a universal charger, a user CD-ROM and quick operating instructions (the pump versions are also supplied with a 3m sample hose and connector).



## TECHNICAL DATA

**Size:** 4.8 x 2.3 x 1.3 in. (121 x 59 x 32mm)

**Weight:** 8 oz. (230g) with pump; 7.6 oz. (215g) without pump

**Temperature:** -40°F to 122°F ( -20°C to +50°C)

**Humidity:** 0 to 95% R.H non-condensing

**Alarms:** Visual (Highly visible flashing LED), Audible (>90dB), and vibrating alarms.

**Display:** Green and red LCD backlight display

**Battery:** Lithium Ion rechargeable battery

**Operating time:** Up to \*\*80 / 14 hrs (diffusion), Up to \*\*20 / 8 hrs (pumped), Charging Time < 4 hrs

**Protection Class:** IP67

**Datalogger:** Timed: Minimum of 6 months timed datalogging  
Session: Minimum of 360 logs,  
Calibration: Minimum of 8 calibration logs,  
Bump: Minimum of 360 logs

### Approvals:

ATEX II 2G Ex ia d IIC T4 Gb, II 1G Ex ia IIC T4 Ga (Low Power LEL sensor)  
IECEX Ex ia d IIC T4 Gb, Ex ia IIC T4 Ga (Low Power LEL sensor)  
CE mark MED (0038/YY) – Module B & E

**Warranty:** 2 years

\*\* with low power LEL sensor

## ACCESSORIES



### VEHICLE CHARGER

Charge the device's battery via:

- an in-vehicle USB port
- a cigarette lighter (charging adaptor included)



## SENSOR SPECIFICATIONS

Gas	Measuring Range	Resolution	Sensor Type
LEL	0-100% LEL	1% LEL	Catalytic Bead
O <sub>2</sub>	0-25%	0.1%	Electrochemical
CO	0-1000 ppm	1 ppm	Electrochemical
H <sub>2</sub> S	0-9.9 ppm 10-100 ppm	0.1 ppm 1 ppm	Electrochemical

## COMBUSTIBLE SENSOR OPTIONS

LEL Sensor	Benefit	Gases Detected	Certification / Gas Groups	Division / Zone
Standard Filtered	Detects most combustible gases	C1 - C8 Hydrocarbons Includes, but not limited to: Methane, Ethane, Propane, Butane, Pentane, Hexane, Heptane, Octane, Hydrogen	IIC A,B,C and D	Class 1, Div. 1,2 Zones 1,2
Enhanced Filtered	Enhanced H <sub>2</sub> S and Silicone poisoning resistance	C1 - C6 Hydrocarbons Includes, but not limited to: Methane, Ethane, Propane, Butane, Pentane, Hexane, Hydrogen	IIC A,B,C and D	Class 1, Div. 1,2 Zones 1,2
Low Power	Improved battery life	C1 - C5 Hydrocarbons Includes, but not limited to: Methane, Ethane, Propane, Butane, Pentane	IIB C and D	Class 1, Div. 1,2 Zones 0,1,2