PS200 - Portable Gas Monitor - GDH1303

GMI Gas Measurement Instruments Ltd

The multifunctional Auto Bump/Calibration (ABC) station provides simple but intelligent testing and calibration of the PS200 portable gas detector. Easy to use, with a durable, user friendly design, this automated test station offers high performance from a PC or stand-alone unit.

The ABC station dramatically improves compliance record-keeping, efficiency and accuracy. Once the PS200 is placed in the dock it can be tested, calibrated and charged. Extremely cost effective, the station requires no testing and minimal effort by users.

If the unit fails the bump test then the Autocal will proceed to calibrate the unit. The unit requires minimal training for use and records all event data and calibration records to a USB stick which you then upload to a PC to save the records.

- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC and ethernet options

3 Steps to fit the cover

Step 1 - Choose the colour (7 colours to choose from)

Step 2 - Apply the cover to the monitor

Step 3 - Ensure the cover is fitted on correctly

Gas Detector Code GDH1303

Step 1	Step 2	Step 3

TectoGroup®
Delivering Safety

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Features

Green / Red Visual Alarms

Sensors x 3

Audible Alarm

Sample Inlet Nozzle

Charging and communication port (at the back)

Red display in alarm conditions

Configurable calibration options

Configurable bump options

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 14 hrs (diffusion) Up to 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_2S < 20 secs
Approvals:	ATEX (Ex) II 2G Ex ia d IIC T4 Gb IECEx Ex ia d IIC T4 Gb CSA c (SA) us Combustible Instruments: Class I, Div. 1 Groups A,B,C,D Class I, Zone 1 AE Non-combustible instruments Class I, Zone 0 AE EAC Ex 1Ex ia d IIC T4/T3 Gb X 0Ex ia IIC T4/T3 Ga X CE KCs INMETRO Marine Directive
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.

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 I, Div. 1,2 Zones 1,2
Enhanced Filtered	Enhanced H_2S 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 I, Div. 1,2 Zones 1,2

Sensor specification

Gas	Ranges	Increments	Sensor Type
LEL	0-100% LEL	1% LEL	Catalytic Bead
O_2	0-25%	0.1%	Electrochemical
CO	0-1000 ppm	1 ppm	Electrochemical
H_2S	0-9.9 ppm 10-100 ppm	0.1 ppm 1 ppm	Electrochemical