Refer to Essential Health and Safety Requirement (EHSR) and PS200 Series User Handbook before first use.

Switch ON

• Press and hold the Right Hand button ⏻ for one second to switch the instrument ON and initiate a warm-up routine.

• The display will show the serial number, software version, battery status and calibration gas. Next, the date and time are shown, followed by the Calibration Due date. If expired, press the ⏻ button to acknowledge.

• Lastly, a sensor check is run. If sensors are working OK and were zeroed correctly, a ✓ symbol is displayed adjacent to the gas type. If a sensor fails the zero check, the display will be red, the audible / visual alarms activate and a 🔧 symbol is displayed adjacent to the faulty gas type. To acknowledge this fault, press the ⏻ button.

Switch ON - Manual Bump Test

Press and hold the ⏎ button to switch the instrument ON and initiate a Manual Bump Test (after the warm-up routine is complete). When concluded, the instrument will operate as normal.

Normal Operation

The standard operating screen for the 4 Gas model is shown here. Other models will report the relevant gases they are capable of detecting.

Backlight / MAX & MIN

Press the ⏻ button once to switch the backlight ON. (After 20 seconds it will automatically switch OFF.) Press again to view MAX readings and a further press to view the MIN readings. To reset MAX / MIN readings, press and hold the ⏻ button for 2 seconds when either MAX / MIN screen is displayed.

Alarms Reset / Acknowledge

In alarm condition, the display will be red and the audible and visual alarms are activated. When the gas readings (of a Latching Alarm) are safe, press and hold the ⏻ button to reset / acknowledge the alarm. (If alarms are Non-Latching, the audible and visual alarms reset automatically when gas readings are safe.)

Switch Pump ON / OFF

Press and hold the ⏻ button to toggle the pump ON / OFF (Pumped instruments only).

Manual Datalog

Press the ⏎ button once to perform a manual datalog, briefly indicated on the display as 'LOGGING'.

Switch OFF

Press and hold **both** ⏎ and ⏻ buttons, for 3 seconds, to switch the instrument OFF.

WARNINGS

▭ LOW BATTERY

Flashes when approximately 30 minutes operating time remains. The display flashes red, the audible alarm sounds once every two seconds and the red LED's flash. Note: Gas alarms will continue to operate as normal.

▭ BAT FAULT

Flashes when approximately 3 minutes operating time remains. The display will be red, the audible alarm sounds continuously and the red LED's remain on. After approximately 3 minutes the instrument automatically switches off.

CAL EXPIRED

Displayed every 30 seconds if the calibration expiry date has been exceeded.

ZERO FAULT (and flashing 🔧 symbol)

Appears after warm-up if the instrument is switched on in gas or the instrument has been unable to zero all sensors. The display will be red, the audible alarm sounds once every 2 seconds, and the red LED's flash (start-up only). However, the instrument can still be used to detect and alarm on the other sensor(s) fitted.

Note:

1) If a flashing 🔧 symbol is alternating with a gas value, leave instrument on for 30 minutes then switch OFF, and then ON again in fresh air. If the fault remains, return instrument to a GMI approved Service / Repair facility.

2) If the 🔧 symbol is displayed constantly, then the sensor may require replacement. Return instrument to a GMI approved Service / Repair facility.
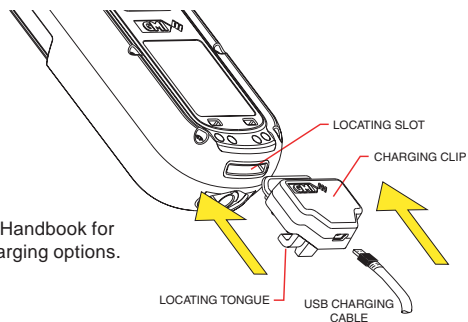
🔯 FLOW FAULT (Pumped instruments only.)

Flashes to indicate a sample fault . The display will be red, the audible alarm sounds continuously and the red LED's remain on. Check sample line / filters / and probe for blockage. Clear the blockage and restart pump by a press and hold of the ⏻ button.

CHARGING

Before first use the PS200 instrument should be charged for up to 4 hours or until the 'CHARGE COMPLETE' message appears on the display.

The PS200 Series uses a Li-Ion (Lithium Ion) rechargeable battery. To recharge, securely connect the charging clip to the bottom of the instrument.Connect one end of the cable to the charging clip and the other to the universal charging adaptor (supplied) or any standard USB socket.

LOCATING SLOT

CHARGING CLIP

Refer to User Handbook for alternative charging options.

LOCATING TONGUE — USB CHARGING CABLE

BUTTON OPERATION

PS200 Series	SINGLE PRESS	PRESS & HOLD
⏻	Backlight ON ▼ MAX ▼ MIN	SWITCH ON Pump ON / OFF Acknowledge / Mute Alarm Reset MAX / MIN (when displayed)
↵	Manual Datalog	Switch ON - Manual Bump Self Test
↵ & ⏻	—	SWITCH OFF