



*Gas detection  
just got personal*



# MARINE 4



Coloured 'rubber boot'  
for multi-site or  
multi-application working  
(7 colours available)

- Simple 1-button operation
- Any combination of (LEL/O<sub>2</sub>/CO/H<sub>2</sub>S)
- Audible, visual and vibrating alarms
- Fully certified
- Internal pump (optional)
- Lightweight
- Sensor integrity checking
- Robust construction
- Ease of maintenance

## Auto Bump & Calibration Station

- Simple user interface
- Full bump, calibration and charging options
- Bump/calibration results storage
- Stand-alone, PC or ethernet options
- Robust construction

# MARINE 4

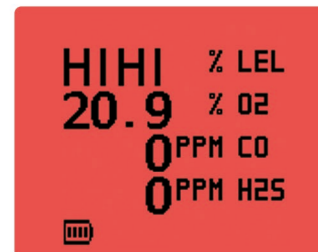
The Marine 4 detects all possible combinations of LEL, O<sub>2</sub>, CO, H<sub>2</sub>S, including single gas detection. In addition to displaying all gas readings simultaneously, the user can also initiate a manual bump test anytime.

The Marine 4 accessory pack includes the following as standard: USB Charging/Comms Clip, Universal Power Plug, User CD-ROM, Quick Operating Instructions. Tubing (3m) complete with a Quick Connector is also supplied as standard with pumped instruments.

## Features



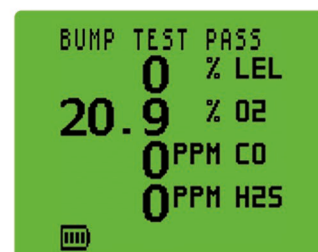
TECHNICAL SPECIFICATION	
<b>Size:</b>	121 x 59 x 32mm (4.8" x 2.3" x 1.3")
<b>Weight:</b>	230g (8oz) with pump 215g (7.6oz) without pump
<b>Temperature:</b>	-20°C to +50°C (-4°F to 122°F)
<b>Humidity:</b>	0 to 95% R.H non-condensing
<b>Alarms:</b>	Highly visible flashing LED, piercing >90dB audible
<b>Display:</b>	Green and red LCD backlight display
<b>Datalogging:</b>	Timed: 24 hours of timed logs at 1 log per minute Session: Minimum of 180 logs Calibration: Minimum of 8 calibration logs Bump Logs: Minimum of 180 logs
<b>Battery:</b>	Lithium Ion rechargeable battery Run Time: Up to 14 hrs (diffusion) Charging Time < 4 hrs
<b>Enclosure:</b>	High impact rubberized polycarbonate case
<b>Drop Test:</b>	3m (10ft)
<b>IP Rating:</b>	IP67 (Dust-tight and waterproof to 1m)
<b>Response Times (T<sub>90</sub>):</b>	LEL = 10 secs (IEC 60079-29-1) O <sub>2</sub> = 12 secs (BSEN 50 104) CO < 20 secs H <sub>2</sub> S < 20 secs
<b>Approvals:</b>	IEC Ex ia d IIC T4 Gb ATEX Ex II 2 G Ex ia d IIC T4 $\text{Ex}$ CSA Class 1 Div 1 Groups A,B,C,D, T4 Class 1, Zone 1 EX ia d IIC T4 MED (0038/YY) - Module B & E CE 0518
<b>Warranty:</b>	2 years as standard



Red display in alarm conditions



Configurable calibration options



Configurable bump options