

MARINE5™

The 5-gas detection solution

The Marine5™ can be tailored to **detect up to five gases** with its toxic and catalytic sensors, photo ionisation detectors, and infrared capabilities. “Plug and Play” option allows the customer to “plug in” a new board with a different gas range.

Designed by our customers, this **robust and accurate** gas detector provides **unrivalled protection in confined space applications**.

THE BENEFITS

- Over 15 plug-and-play smart sensors to choose from
- Wide range of VOC's with 2 different PID sensors
- Flexible configuration to suit your specification
- Piercing 95 dB audible plus 360-degree high-visibility light bar - particularly useful in noisy environments
- On-board datalogging for calibration certificates, data management, and event logging
- Robust, moulded, rubberised casing guaranteeing high impact resistance
- IP65
- Low cost of ownership



MARINE5™

TECHNICAL SPECIFICATION

Size: 140 x 85 x 45 mm/ 5.5" x 3.3" x 1.7"

Weight: 0.4 kg/ 14 oz.

Humidity: 0-98% non-condensing

Alarms:

- Visual 360° full light bar, piercing 95db audible
- 4 gas alarms per gas user programmable
- TWA/STEL alarms visual and audible
- Low flow visual and audible
- Low battery alarm
- Up to 4 alarms per toxic gas, user programmable
- 3 alarms for O₂, 2 alarms for LEL

Display: LCD backlight display

Datalogging:

- Timed: 24 hours of timed logs at 1 log per minute
- Session: Minimum of 180 logs
- Calibration: Minimum of 8 calibration logs

Battery:

- NiMH rechargeable battery-12 hr. minimum with pump
- Alkaline battery pack (3 AA)-12 hr. minimum with pump

Enclosure: High impact rubberised polycarbonate case

Rating: IP65 (Dust tight and water resistant)

Approvals:

- * UL 913 Class I, Div 1 Groups A, B, C, D
- MED (0038/YY) - Module B & E
- CE0518
- ATEX II 2 G EEx iad IIC T3/T4

IECEX: EEx iad IIC T3/T4

Warranty: 2 years

RECOMMENDED ACCESSORIES/SPARE PARTS

- 66485 Hydrophobic filter - external inline
- 66702 Alkaline battery pack (3 AA batteries)
- 66136 3m sample line (Tygon® tubing) with connector
- 66142 3m Viton tubing with connector (PID unit only)
- 66028 Neck harness
- 66017 Probe assembly
- 61208 Datalogging package
- 66083 Sensor grill hydrophobic filter
- 66084 Sensor gas inlet filter
- 66108 Blank sensor plug
- 66206 Car/vehicle charge 12/24V
- 66190 Pump assembly kit -includes pump, tubing and fittings

SENSOR SPECIFICATION

| GAS | RANGE | RESOLUTION | SENSOR TYPE | T90 |
|---------------------------------|----------------------------|------------|-----------------|---------|
| LEL | 0-100% LEL | 1% LEL | Cat-bead | 15 sec |
| | 0-100% LEL | 1% LEL | NDIR | 35 sec |
| CO ₂ | 0-5% V | 0.05% V | NDIR | 25 sec |
| O ₂ | 0-25% | 0.1% | Electrochemical | 10 sec |
| CO | 0-1000PPM | 1PPM | Electrochemical | 35 sec |
| H ₂ S | 0-100PPM | 1PPM | Electrochemical | 25 sec |
| DUAL TOX CO/H ₂ S | 0-1000PPM(CO) | 1PPM | Electrochemical | 35 sec |
| | 0-100PPM(H ₂ S) | | | 25 sec |
| SO ₂ | 0-30PPM | 1PPM | Electrochemical | 10 sec |
| | 0-100PPM | 1PPM | Electrochemical | 10 sec |
| CL ₂ | 0-10PPM | 0.1PPM | Electrochemical | 30 sec |
| NH ₃ | 0-100PPM | 1PPM | Electrochemical | 60 sec |
| NO | 0-300PPM | 1PPM | Electrochemical | 20 sec |
| NO ₂ | 0-20PPM | 1PPM | Electrochemical | 185 sec |
| PH ₃ | 0-100PPM | 1PPM | PID | 5 sec |
| VOC | 0-100PPM | 0.1PPM | PID | 5 sec |
| | 0-1000PPM | 1PPM | PID | 5 sec |
| C ₆ H ₆ | 0-20PPM | 0.1PPM | PID | 5 sec |

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