

MARINE 5™

5-GAS DETECTION SOLUTION

The Marine 5™ is your MED approved solution to multiple gas detection. This **robust and accurate gas detector** provides unrivaled protection in confined spaces.

The Marine 5™ 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.

The Marine 5™ is particularly useful in noisy environments, featuring a very loud (95dBA) penetrating and distinctive audible alarm together with high visibility large area visual alarm. Pump, diffusion or both together, allowing pumped sample for pre-entry checking and diffusion in confined space working, thus maximising battery life. A robust, moulded, rubberised casing guaranteeing Hilmpact resistance, the Marine 5™ can be used in the most demanding industrial environments.

THE BENEFITS

- Over 14 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



TECHNICAL SPECIFICATIONS

MARINE 5™

SIZE:	140 x 85 x 45 mm/ 5.5" x 3.3" x 1.7"
WEIGHT:	0.4 kg/ 14 oz.
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
DROP TEST:	3m (10ft)

IP RATING:	IP65 (Dust tight and water resistant)
APPROVALS:	UL 913 Class I, Div 1 Groups A, B, C, D MED Approved (0038) - 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 Specifications

GAS	RANGE	RESOLUTION	SENSOR TYPE	T90
LEL	0-100% LEL 0-100% LEL	1% LEL 1% LEL	Cat-bead NDIR	15 sec 35 sec
CO2	0-5% V	0.05% V	NDIR	25 sec
O2	0-25%	0.1%	Electrochemical	10 sec
CO	0-1000PPM	1PPM	Electrochemical	35 sec
H2S	0-100PPM	1PPM	Electrochemical	25 sec
DUAL TOX CO/H2S	0-1000PPM(CO) 0-100PPM(H2S)	1PPM	Electrochemical	35 sec 25 sec
SO2	0-30PPM	1PPM	Electrochemical Electrochemical	10 sec 10 sec
CL2	0-10PPM	0.1PPM	Electrochemical	30 sec
NH3	0-100PPM	1PPM	Electrochemical	60 sec
NO	0-300PPM	1PPM	Electrochemical	20 sec
NO2	0-20PPM	1PPM	Electrochemical	185 sec
PH3	0-100PPM	1PPM	PID	5 sec
VOC	0-100PPM 0-1000PPM	0.1PPM	PID PID	5 sec 5 sec
C6H6	0-20PPM	0.1PPM	PID	5 sec