

Product Datasheet

MARINE-4 Quad Gas Detector & ABC Certification and Calibration Station

Marine-4 Quad Gas Detector

The robust and accurate portable quad gas detector MARINE-4 provides unrivalled protection in confined space applications with audible and visual alarms in the event of exposure to flammable or toxic gases.

Detecting and displaying up to 4 gases simultaneously, MARINE-4 is designed specifically for the rigours of the marine industry. Pre-entry checking of tanks, hold and void spaces can be carried out with the internal sampling pump, and diffusion operation ensuring maximum battery life in confined spaces.

- **MED “Wheelmarked” for use on all vessels.**
- **Integral sampling pump – flexibility for pre-entry into deep tanks, holds & void spaces.**
- **Patented ‘crew-safe’ fail safe sensor technology.**
- **Robust construction – built to last on ships.**



ABC Certification & Calibration Station

The “A-B-C” Always-Be-Calibrated certification / calibration station creates secure tamper-proof digital on board records of tests to show that the portable gas detectors are routinely maintained and calibrated. These digital records are available for easy viewing on screen or printing in a secure PDF format. Because the detectors are stored and charged in the “A-B-C” Always-Be-Calibrated certification / calibration station when not in use, this provides 100% guaranteed safety performance and peace of mind.

- **Fail-safe system – 100% safety assurance and peace of mind.**
- **‘Bump’ tests detectors in only 1 minute - delivering 100% safety assurance and peace of mind.**
- **Automatic calibration at the end of calibration interval & after failed bump test –100% safety assurance.**
- **Automatically produces tamper-proof calibration certificate acceptable to Class & Flag.**



Specifications

Marine-4 Quad Gas Detector

Size:	<ul style="list-style-type: none"> 121 x 59 x 32mm 		
Weight (with pump):	<ul style="list-style-type: none"> 230g (8oz) 		
Weight (without pump):	<ul style="list-style-type: none"> 215g (7.6oz) 		
Reset supply distance:	<ul style="list-style-type: none"> 20 metres (60 ft) 		
Temperature:	<ul style="list-style-type: none"> -20°C to +50°C (-4°F to 122°F) 		
Humidity:	<ul style="list-style-type: none"> 0 to 95% R.H non-condensing 		
Alarms:	<ul style="list-style-type: none"> Highly visible flashing LED, piercing >90dB audible 		
Display:	<ul style="list-style-type: none"> Green and red LCD backlit display 		
Datalogging:	<ul style="list-style-type: none"> As standard 		
Battery:	<ul style="list-style-type: none"> Lithium ion rechargeable battery Run Time > 14 hrs (>8 hrs pumped) Charging time < 4 hrs 		
Enclosure:	<ul style="list-style-type: none"> High impact rubberized polycarbonate case 		
Drop Test:	<ul style="list-style-type: none"> 3m (10ft) 		
IP Rating:	<ul style="list-style-type: none"> IP67 		
Response times (T90):	<ul style="list-style-type: none"> LEL = 10 secs (IEC 60079-29-1) O2 = 12 secs (BSEN 20 104) CO = 25 secs H2S = 35 secs 		
Approvals:	<ul style="list-style-type: none"> IEC Ex ia d IIC T4 Gb ATEX Ex II 2 G Ex ia d IIc T4 MED (0038/YY) – Module B & E UL913 Class 1 Div 1 Groups A,B,C,D CSA Class 1 Groups A,B,C,D 		
Warranty:	<ul style="list-style-type: none"> 2 years as standard 		
Sensor:			
Gas	Ranges	Increments	Sensor Type
LEL	0-100% LEL	1% LEL	Pellistor/Catalytic
O2	0-25%	0.1%	Electrochemical
CO	0-1000ppm	1ppm	Electrochemical
H2S	0-100ppm	1ppm	Electrochemical

ABC Certification and Calibration Station

Size:	<ul style="list-style-type: none"> 200mm height x 135 x 135mm base
Weight:	<ul style="list-style-type: none"> 1.42kg (50oz)
Display:	<ul style="list-style-type: none"> Four LEDs – Power, Processing, Pass & Fail
Power:	<ul style="list-style-type: none"> 110/230V ac
Response time:	<ul style="list-style-type: none"> Bump test < 1 min Calibration < 5 mins
Material:	<ul style="list-style-type: none"> Heavy duty ABS plastic
Data storage:	<ul style="list-style-type: none"> 6,000 test reports
Data interface:	<ul style="list-style-type: none"> USB
Warranty:	<ul style="list-style-type: none"> 2 years as standard