

RIVERTRACE

SMART 50M OIL IN WATER MONITOR



APPLICATIONS

- Hydrocarbon Leak Detection
- Lube Oil Cooler Monitoring
- Boiler Feed Protection
- Heat Exchanger Leak Detection
- Produced Water Reuse - RO Feed Water, Steam Generator Feed Water
- Industrial Wastewater/Groundwater discharge

A versatile and sophisticated monitor to suit multiple applications in marine and industrial environments. The Smart 50M uses a nephelometry based detection technique and uses sophisticated algorithms to detect Oil in the sample.

The design of the measuring cell allows the monitoring of high temperature and high pressure samples across multiple ranges of Oil Concentration. Auto-Clean and Auto-Zeroing functionality ensures the maintenance is minimal and that the measuring cell is kept free from fouling.

The Smart 50M can provide the Oil Concentration value to a DCS or PLC using a 4-20mA output.

As standard the following data is available:

- Oil Concentration
- Sample Pressure
- Sample Temperature
- Fault Status
- Alarm and Run states

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SPECIFICATION

Ranges:	Low range 0 - 10ppm Medium range 0 - 200ppm
Accuracy:	Low range +/- 0.15% Medium range +/- 5 ppm
Alarm 1 Operating Point:	Low range 1 - 10 ppm Medium range 1 - 200 ppm
Alarm 2 Operating Point:	Low range 1 - 10 ppm Medium range 1 - 200 ppm
Alarm 1 Operating Delay:	1 - 15 seconds
Alarm 2 Operating Delay:	1 - 600 seconds
Alarm contact rating:	8 AMP @230VAC
Output signal:	4-20 mA
Ambient temperature:	1-60 °C / 34 - 122 F
Humidity:	Max 98% non condensing
Sample temperature:	1 - 95 °C / 34-203 F
Sample Flow:	0.3 - 3 Ltrs per min / 0.079 - 0.79 Gal per min
Sample Pressure:	1.0 Bar Minimum / 14.50 Psi 3.0 Bar Nominal / 43.50 Psi 10.0 Bar Maximum / 145 Psi
Clean Water requirements:	0.3 - 3L per min / 0.079 - 0.79 Gal per min for 'zeroing'
Weight:	15kg / 33.07 lb
Size:	500 x 360 x 150mm / 19.7" x 14.2" x 5.9"
Supply voltage:	115 - 230 VAC
Power consumption:	15 VA
Degree of Protection: Approvals:	IP56 Tested to EN61010 EN61326 (CE), c UL us.

Specifications and system descriptions accurate at time of printing. These are subject to change.