UK Distribution by: IMA Ltd, Parkwell House, Otley Road, Guiseley, West Yorkshire, LS20 8BH
Website: www.ima.co.uk Email: info@ima.co.uk Tel: +44(0)1943 878877

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SA-100/1000
Side Stream/Slip Stream On-line Oil in Water Monitor - Analyzer

Advanced sensors

Having successfully introduced revolutionary oil in water analyzers in 2005, Advanced Sensors have released its first analyzer into non-hazardous areas and industries.

The SA Series require zero routine maintenance to provide continuous uninterrupted accurate measurements of oil concentrations into industries and areas that do not require a hazardous enclosure. Finally, reliable real-time data is now available for marine, industrial and waste water oil in water monitoring.

Features

- Laser Induced UV Fluorescence
- Zero routine maintenance using patented ultrasonic cleaning mechanisms and software
- Compact Unit with touchscreen operation and set-up
- 0-3,000 PPM range
- 1% accuracy and 99% measurement repeatability
- Complete remote capabilities
- No flow conditioning or flow control
- Plumb'n'Play – easy installation into new or existing installations
- Multiple communications configurations – 4-20mA, HART, Modbus, Ethernet, ADSL
- Meets stringent IMO requirements for bilge discharge monitoring

Benefits

- With no consumables and no regular operator intervention, the Advanced Sensors analyzer offers very low Cost Of Ownership (COO)
- By using laser induced fluorescence (LIF), the analyzer avoids standard fluorescent lamp issues, namely, warm up requirements and deterioration of lamps over time resulting in accuracy issues
- Advanced software capabilities allow complete remote control and monitoring. Ideal for un-manned locations and remote process monitoring
- Easy to use interface with touchscreen technology and password control

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SA-100/1000 Technical Specification

Advanced sensors

Measurement Performance

Measurement principle	Laser Induced UV Fluorescence
Range	0- 3,000 ppm
Accuracy	±1% of measurement range
Repeatability	> 99%
Response Time	< 1 Second, continuous results

Operating Conditions

Sample Temperature	0°C to 100°C
Sample Pressure	0-15 barg
Sample Flow	0-25 l/min
Operational Ambient Temperature	-20°C to 50°C
Cleaning	Ultrasonic (automatic)

Utilities

Power Supply	110/230 VAC
Power Frequency	50/60 Hz/ DC
Power Consumption	60W normal, 300W peak

Certification

Ingress Protection	IP65
Enclosure Material	SS 316L
IMO	IMO Certified

Weight & Dimensions

Weight	20kg (excluding stand)
Footprint	42cm(W) x 33cm(H) x 22cm(D)
Clear Space	45cm front and rear
Height & Mounting	Optional Stand or Brackets

Communications

4-20 mA	Passive
HART, Modbus (over HART), Wireless (Wi-Fi), 2-wire ADSL	Optional
Ethernet	Standard
Remote Access	VNC, Master Remote Manager
Internal Data Storage	>10 years
Security	Multiple level password protection

Options

Pipe Diameter	1/2" standard, options available
Wetted Parts	SS 316L
Piping connections	Standard threaded NPT (flanges optional)

Additional Features

Maintenance	None - Automatic Cleaning
Display	Touchscreen PC LCD Display