INOV8™
Customer Inspired Innovation

GPS Oil in Water Analyser

Intelligent Control - Side Stream

Customer inspired innovation

Leveraging decades of innovation experience for the Oil & Gas industry, Inov8 Systems introduce the next generation of products for an evolving market with dynamic demands.

Features

- New **RapidWave**™ ultrasonic self cleaning
- Low power DC voltage requirements - other options including
  AC available
- Multiple Communication options for Management Capabilities
- Small footprint only requiring front access for easy maintenance and installation
- Large user configurable colour display
- Less than 25KG weight

Benefits

- Low cost of ownership with no regular maintenance, no routine calibration and no added chemicals
- Simple to use interface for set-up and control
- Wall, rack or stand mounting options
- Minimal installation requirements (24VDC)
- Remote Monitoring and Automatic Process Control
- Continuous real-time measurements; <1 sec response time to process changes
- 24 month standard warranty

Technical Specifications

OPERATING CONDITIONS:

Ambient Temperature	-20°C to +55°C
Process Temperature	0°C to +150°C
Design Pressure	20barg (higher options available)
Standard Operating Pressure	0 - 10barg (higher options available)
Flow Velocity	0.5 – 10 m/s

MECHANICAL:

Dimensions	W268mm x H353mm x D177mm
Weight	<10KG
Process Connections	¾" NPT (other available)
Wetted Parts	316L SS Standard (others available)
Non-Wetted Parts	316L SS
Enclosure	IP66

MEASUREMENT:

Light Source	Solid State CW 5mW Laser or Deep UV LED
Measurement Method	Fluorescence Spectrometry
Range	PPB - 10,000 ppm*
Range (Deep UV)	PPB – 10,000ppm*
Accuracy	+/- 1%
Sample Rate	< 1 sec
Repeatability	< +/- 1%

ELECTRICAL:

Standard Power Voltage/ Current	24VDC / 6A (230/110 VAC 50/60Hz option available)
Power Consumption	DC 20W nominal, 140W peak AC 15W nominal, 84W peak
Cable Entries	3 x M20 1 x M25

COMPLIANCE:

Directives:

- 2014/68/EU Pressure Equipment Directive, module A1
- 2014/22/EC Measuring Instruments
- 2014/30/EU EMC Directive
- IMO MEPC 107(49) + DNVGL-CP-0485
- ISO9001:2015

CONTROLLER INTERFACE:

Analogue	4-20mA, HART, Modbus TCP/IP
Ethernet	10 Mbps
Wifi	
Digital	2 x Volt free contacts

* Under controlled conditions and dependent on API of oil

Patent number 2580699 (UK)
Patent number 2600454 (UK)
Patent number 2614934 (UK)
Patent Number 3127511 (CA)
Patent Number 11994461 (US)
Patent number 3914898 (EU)
Patent Number 2798310 (RU)