INOV8™
Customer Inspired Innovation

GPP Oil in Water Analyser

General Purpose, Measurement & Control

Customer inspired innovation

Leveraging decades of innovation experience in the Oil & Gas industry, Inov8™ Systems introduce the next generation of products for General Purpose Markets in Industrial and Waste Water Applications.

Features

- Unique to the industry - **RapidWave**™ ultrasonic self cleaning
- Low power DC voltage requirements - other options including AC available
- Multiple Communication options for Management Capabilities
- Probe with integrated Control
- Adjustable flange mount for probe insertion depth
- Integrated Colour Display
- Less than 12KG weight – easy to transport

Benefits

- Low cost of ownership with no regular maintenance, no routine calibration
- Simple to use intuitive interface for set-up and control
- Lightweight and easy access to instrument without removing from the process
- Minimal installation requirements (24VDC)
- Remote Monitoring and Automatic Process Control
- Continuous real-time measurements; <1 sec response time to process changes
- 24 months standard warranty on parts

INOV8™
Customer Inspired Innovation

Technical Specifications

OPERATING CONDITIONS:

Ambient Temperature	-20°C to +55°C
Process Temperature	0°C to +150°C
Design Pressure	35barg (higher options available)
Standard Operating Pressure	0 - 10barg (higher options available)
Flow Velocity	0.5 – 10 m/s

MECHANICAL:

Dimensions	Probe length 0.75m to 5.0m
Weight	~10kg**
Process Connections	2" ANSI Flange (others sizes available)
Wetted Parts	316L SS Standard (others available)
Non-Wetted Parts	316L SS
Enclosure / Probe	IP66, IP68

CONTROLLER INTERFACE:

Analogue	4-20mA, HART, Modbus TCP/IP
Ethernet	10/100 Mbps
Wifi	
Digital	2 x Volt free contacts

ELECTRICAL:

Standard Power Voltage/ Current	24VDC / 6A (230/110 VAC 50/60Hz option available)
Power Consumption	20W nominal, 140W peak
Cable Entries	2 entries - M20x1.5mm

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%

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

* Under controlled conditions and dependent on API of oil

** Length and material dependant

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)