

# 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



# Technical Specifications

## OPERATING CONDITIONS:

Ambient Temperature	-20°C to +55°C
Process Temperature	0°C to +150°C
Design Pressure	100barg (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