

# 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%                                |

\* Under controlled conditions and dependent on API of oil

## ELECTRICAL:

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