

GPS Controller

Intelligent Control - Oil in Water 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 rapid wave ultrasonic self cleaning
- Choice of standard or high-resolution spectrometry feature
- 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	-20C to 60C
Process Temperature	-20C to 200C
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 3mW Laser or Deep UV LED
Measurement Method	Fluorescence Spectrometry
Range	PPB - 10,000 ppm*
Range (Deep UV)	ppb - 50,000ppm*
Accuracy	+/- 1%
Sample Rate	< 1 sec
Repeatability	< +/- 1%

ELECTRICAL:

Standard Power Voltage/Current	24VDC / 6A (options available for 24VDC 1A and 230/110VAC)
Power Consumption	20W nominal, 140W 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	1 x 4-20mA, HART (optional)
Ethernet	10/100 Mbps
Wifi	
Digital	2 x Volt free contacts

* Under controlled conditions and dependent on API of oil