



Innovation in Environmental & Process Technology

We **Understand** Water & Waste Water Monitoring

## BlueTrace Oil in Water Sensor

The **BlueTrace Oil in Water Sensor** is a compact fluorescence probe for the measurement of BTEX and refined oil in water. The robust design of the BlueTrace Sensor allows for applications in harsh conditions, such as corrosive media or at high pressure.

### Application Areas



#### Drinking Water

- Quality control
- Alarm systems



#### Wastewater

- Effluent monitoring
- Trend analysis
- Early detection of discharge



#### Process Measurement & Control Technology

- Process monitoring in industrial facilities
- Control of process water treatment
- Process optimization



#### Environmental Monitoring

- River water
- Surface water

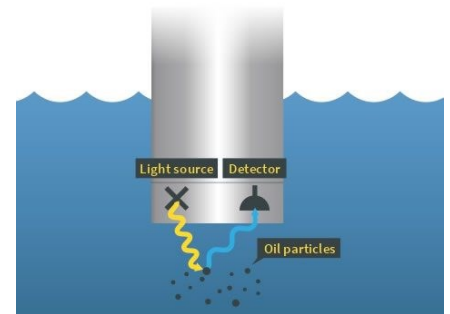


### Technical data

Power supply	8-32 VDC
Power consumption (typical)	0.5 W
Measuring principle	Fluorescence measurement Evaluation (300-400nm)
Measuring range	0-30 / 100 / 300 ppm
Measuring accuracy	3% FS
Detection limit	0.1 ppm
Measuring interval	≥ 1s
Light source	< 300 nm
Material	SS 1.4404 / Titanium (optional)
Operation temperature range	0 °C to +45 °C
Weight	0.8 kg
Dimensions	Length 150 mm; Ø 38 mm
Maximum pressure	6 bar
Interface	Modbus [RTU]

### Parameters

- BTEX
- PAH
- Refined oil in water



### Main Functions & Features



Selectable Measuring Range



Insensitive to Ambient Light



Easy Calibration



High Pressure Resistance



Compact Design



Low Power Demand



Robust & Non-corrosive



Modbus Interface