GO SYSTEMELEKTRONIK

WE MAKE LIQUIDS TRANSPARENT.

BlueTrace Plus - Oil in Water Sensor



The **BlueTrace Plus - Oil in Water Sensor** is a compact fluorescence probe for the measurement of **BTEX, PAH** and **refined oil in water**. The sensor features an integrated wiper system. The robust design 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

Parameters

- **BTEX**
- **PAH**
- **Refined oil**

Functions & Features

- Adaptable Measuring Range
- Immersion & In-line Integration
- Easy Calibration
- High Pressure Resistance
- BTEX Fingerprinting
- Integrated Wiper
- Robust & Non-corrosive
- Modbus Interface

GO Systemelektronik GmbH +49 431 5 80 80-0 +49 431 5 80 80-11 info@go-sys.de www.go-sys.de

GO SYSTEMELEKTRONIK

WE MAKE LIQUIDS TRANSPARENT.

Technical data

Power supply	10 - 32 V DC
Power consumption (typical)	1 W
Light source	250 - 280 nm
Material	Stainless steel 1.4404 / Titanium [optional]
Operation temperature range	-5 °C to +55 °C
Weight	0.9 kg
Dimensions	Length 146 mm; Ø 48 mm
Maximum pressure	6 bar
Interface	Modbus [RTU]
Art. no.	461 6210

Parameter details

Measuring principle	Fluorescence measurement Evaluation (280 - 380 nm)
Measuring range (typical)*	0 - 30 / 100 / 300 ppm
Measuring accuracy (typical)*	3 % FS
Detection limit (typical)*	0.1 ppm
Measuring interval	≥ 1 s

*Accuracy and calibration depend on the composition of the substance

Accessories



Flow assembly for BlueTrace Plus (PVC-U)
Art. no. 462 6755



Retractable armature
Art. no. 462 6700



BlueConnect Sensor Modul
Art. no. 486 C000



Modbus USB Converter
Art. no. 486 S810



Modbus Tool
www.go-sys.de/en/downloads

GO Systemelektronik GmbH +49 431 5 80 80-0 +49 431 5 80 80-11 info@go-sys.de www.go-sys.de