

BlueTrace Turbidity Sensor

The **BlueTrace Turbidity Sensor** is a compact scattered light probe for the measurement of turbidity and suspended solids in water. The robust design of the BlueTrace Sensor allows for applications in harsh conditions, such as corrosive media or at high pressure.

Parameters

- Turbidity
- Suspended solids

Application Areas



Drinking water

- Quality control
- Alarm systems



Sewage

- Effluent monitoring
- Trend analysis
- Early detection of discharges



Process & Control Technology

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



Environmental monitoring

- River water
- Surface water



Technical data

Power supply	8 - 32 V DC
Power consumption (typical)	0.5 W
Measuring principle	Scattered light measurement
Measuring range	0 – 50/100/1000/4000 FNU 0 – 100/500/1000 mg/L
Measuring accuracy	3 % FS
Measuring interval	≥ 1 s
Light source	860 nm
Material	Stainless steel 1.4404 / Titanium [optional]
Operating temperature range	0°C to +55°C
Weight	0.8 kg
Dimensions	Length 150 mm; Ø 38 mm
Maximum pressure	6 bar
Interface	Modbus [RTU]
Part no.	BL4616780

Functions & Properties



Selectable measuring range



Insensitive to ambient light



Easy calibration



High pressure resistance



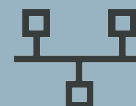
Compact design



Lower power demand



Robust & non-corrosive



Modbus interface



On-line Analyzers

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SPX reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit www.spx.com.

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