

TB Series Turbidity Sensors



Features

- ✓ Excellent Reliability and Accuracy
- ✓ Wide Range
- ✓ Dual Beam
- ✓ Quartz Glass Lens
- ✓ Simple Configuration
- ✓ 3/4" NPT Connection
- ✓ RS-485 Communication | 4 – 20mA
- ✓ Superior Chemical Resistance
- ✓ Self Cleaning Function

Accurate Turbidity Measurement Made Easy — The Choice is Clear

The principle of the turbidity sensor is based on the combined infrared absorption and scattered light method. The ISO7027 method can be used to continuously and accurately determine the turbidity value.

According to ISO7027 infrared double-scattering light technology is not affected by chromaticity to determine the sludge concentration value.

The ProCon® TB550 features stable data, reliable performance and built-in self-diagnosis function ensure accurate data.

Simple installation and calibration get you up and running quickly. The automatic self-cleaning function ensures you stay that way.

Specifications

Model No.	TB550 Middle-High Turbidity
Power/Outlet	9–36VDC RS485 MODBUS RTU
Measurement Mode	90° + 135°IR Scattered Light Method Infrared Dual Beam
Dimensions	Diameter: 50mm Length: 223mm
Housing Material	PVC + 316 Stainless Steel
Protection	NEMA 4X IP68
Measurement Range	2–4000 NTU
Measurement Accuracy	±1%
Pressure Resistance	≤43.5Psi ≤0.3Mpa
Measuring Temperature	32–113°F 0–45°C
Calibration	Standard liquid calibration, water sample calibration
Cable Length	Standard 10m (can be extended to 100m)
Thread	3/4"
Weight	2.7lbs 1.2kg
Application	General Applications Rivers Lakes Environmental Protection





Online Turbidity Electrode
for measuring turbidity of municipal
sewage, industrial wastewater
treatment process, water plant, etc.



Low Turbidity TB150 TB151 Series	
Concentration	Turbidity: Circulation Type
Sensor Model	TB150 TB151
Measurement Range	0–20NTU 0–200NTU
Principle	90° Scattering
Light Source	850nm
Housing Material	SS316L, POM
Installation	Wall-mounted

TB250	TB350	TB450	TB550
Middle Turbidity	High Turbidity	High Turbidity	Middle-High Turbidity
2–400NTU	10–4000NTU	10–4000NTU with self-cleaning function	2–4000NTU, double beam with self-cleaning function
Infrared Light 90°	Infrared Light 180°	Infrared Light 180°	Infrared Light 180°
850nm	850nm	850nm	850nm
SS316L, POM	SS316L, POM	SS316L, POM	SS316L, POM
¾" NPT	¾" NPT	¾" NPT	¾" NPT
10m	10m	10m	10m
Terminal	Terminal	Terminal	Terminal
220* Ø50nm	220* Ø50nm	220* Ø50nm	220* Ø50nm
Immersed	Immersed	Immersed	Immersed