

TURBIDITY

OPTICAL DIGITAL TURBIDITY SENSOR - T800

Liquid Analysis

Measurement & Monitoring



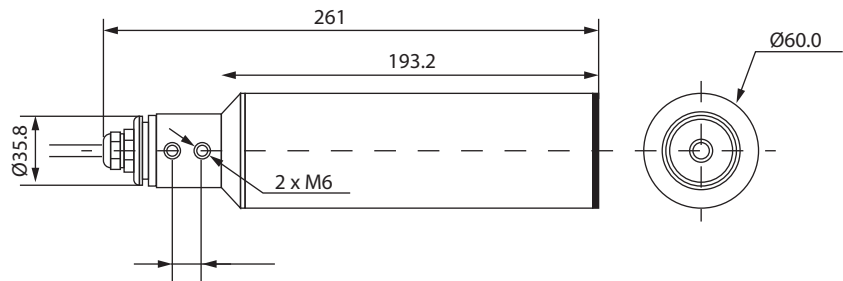
DESCRIPTION

The T800 Series online digital turbidity sensor is designed to comply with the ISO7027 Turbidity Measurement Standard, measuring the level of suspended particles by examining the scattering light effects of particles suspended in the water. The cleaning scraper (optional) offers an automatic cleaning function to minimize the maintenance of the sensor. The T800 is completed with standard digital signal output, integrating and networking with other equipment without controller. With rapid response, low maintenance cost, real-time online measurement, the T800 is suitable for wide range of applications such as monitoring of water inlet, settling basin of water plant, sewage plant, industrial process water and wastewater treatment.

FEATURES

- ✓ Digital optical sensor with RS485 signal output
- ✓ Infrared light scattering technique
- ✓ Stable data and good repeatability
- ✓ Built-in self-diagnosis function
- ✓ Strong anti-interference ability
- ✓ Self-cleaning function (optional)
- ✓ Fast response time
- ✓ Low maintenance cost

DIMENSION/DRAWING



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TECHNICAL FEATURES

Operating Condition

Range	0.01 to 100 NTU, 0.01 to 4000 NTU
Flow Rate	≤2.5m/s, 8.2ft/s
Pressure Range	≤0.4Mpa
Measuring Temperature	0 to 45°C

Sensor Performance

Accuracy	Less than ±2% of the reading or ±0.1NTU whichever is greater
Calibration	Sample calibration; Slope calibration

Electrical

Communication	RS485 (Modbus)
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Dimension and Protection

Dimension	Diameter 60 mm, Length 261 mm
Protection	IP68/NEMA 6P
Sensor Material	Standard: SUS316L Optional: Titanium alloy
Signal Cable Length	Standard 10 meter (Maximum 100 meter)

