

ONLINE TURBIDITY ANALYZER

Model TMC-102 + TTS101

TTS101 turbidity sensor light scattering method ISO 7027 based on combination of infrared absorption, infrared light emitted by the light source after the scattering of turbidity in the sample. Finally, by the photodetector conversion value of electrical signals, and obtaining the turbidity of the sample after the analog and digital signal processing.



Features

- The sensor adopts double beam infrared scattering spectrophotometer detection technology, with good repeatability and stability.
- Complying with ISO 7027 standard methods using IR LED - Infrared double scattering light technology with wavelength of 860 nm.
- Equipped with self, diagnosis function, to ensure accurate data.
- Cleaning brush with automatic cleaning function, greatly reduce the maintenance times of sensor.
- The sensor has the advantages of convenient installation, plug and play.
- Calibration: slope calibration
- **Multi-screen display:** There are four kinds of sensors can connect to display, user-friendly display for the different requirements;
- **Completed system ready to use.**



TECHNICAL SPECIFICATION

Completed system specification:

Housing box: ABS material ; IP 67

Model controller: TMC-102

Display: Graphic LCD

Input sensor: max. 04 sensors

Response time: < 10s

Transistor output for alarm/control: 2x1A/24 VDC

Communication output: Modbus RTU (RS485)

Analog output: 3x 4-20 mA

Integrated IoT card using GSM technology using GPRS/3G/4G data sim card (Option)

Power supply: 220 VAC or 24 VDC

Model sensor: TTS101

Protection grade sensor: IP68/NEMA6P

Measure range: 0.00 – 20 NTU

Resolution: 0.01 NTU ;

Repeatability: 0.01 NTU

Sensor main material: Body SUS316L

Working environment temperature: 0 to 45°C

Sample flow: 10 to 20 l/h ; Working pressure: Min. 1.2 bar ; Max. 2.5 bar

Dimension of panel: W350 x H670 mm x L140mm

