PTU-600 Turbidity Online Analyzer

Measurement Principle

PTU-600 Turbidity Sensor is based on the method of combination of infrared absorption scattered light.Infrared light which the photosource sends out scattered by suspended particles in the sample.And finally converted to electrical signals by photoelectric detector and getting the turbidity valueof the sample after treatment by analog and digital signals.



Features

- The sensor adopts the method of combination of infrared absorption scattered light.
- Optional cleaning brush of automatic cleaning function to reduce the maintenance of sensor.
- Digital sensor,high anti-jamming capacity and far transmission distance.
- Standard digital signal output,can achieve integration and networking with other equipment without controller.
- Plug-and-play sensors,quick and easy installation.
- Sensor power supply positive and negative reverse connection protection
- Sensor RS485 A/B terminal is connected to the power supply protection
- With time display, data storage and historical data viewing function;
- Optional data wireless transmission module.

Applications

- Turbidity online monitoring of water inlet, settling basin of water plant.
- Turbidity online monitoring of sewage plant,industrial process water and waste water treatment.

Technical Specifications

Measurement range	0.01-3000 NTU
Measurement accuracy	Less than ±5% of the measured reading or ±0.5NTU,whichever is greater
Repeatability	±3%
Resolution	0.01NTU , 0.1NTU , Depend on the measuring range
Pressure range	≤0.4Mpa
Calibration	Sample Calibration,Slope Calibration
Main material	Body：SUS316L（fresh water）;Cable：PUR
Power supply	AC：85-500VAC;DC：9-36VDC
Output	3-way 4-20mA
Relay	Three-way relays,programmed response parameter and response value.
Communication	MODBUS RS485
Storage temperature	-15-50℃
Measuring temperature	0-45℃（Non-freezing）
Dimension	Sensor：Dia49mm*L 230.5mm
Weight	Sensor：0.8KG；Transmitter：1.35KG
Protective rate	Sensor：IP68/NEMA6P；Transmitter：IP66/ NEMA4X
Cable length	Standard:10m,the maximum may be extended to 100m

Probest Intelligent Technology Co., Ltd.
Email: probest@probest.cn
Tel:+86-(0)591-83226312
Web:www.probesti.com