

Ultra-low Turbidity Water Quality Sensor

WQS-T-SC3 Series

Overview

The turbidity sensor, is a ultra-low turbidimetry based on the principle of 90° scattered light, using high parallelism, with automatic light intensity correction laser light source and highly sensitive detector. Its detection performance at low turbidity (<1NTU) is excellent. The turbidity sensor is equipped with automatic optical window cleaning function, which is maintenance-free for a long time for tap water application scenarios. In addition, with the DL-W-S series meter head transmitter and WQS-Server (WQS cloud service), users can realize on-site and remote data viewing.



Main Features

- Small and compact structure
- Accuracy comparable to SWAN and Hach Brand
- Pass CE/RoHS/vibration/high and low temperature test
- 1-3 months secondary water supply sensor maintenance-free
- 3 months factory water sensor maintenance-free
- 1/4 the volume of 1720E and TU5300
- Withstand pressure up to 1 MPa (10 atm)

Specifications

Principle	90° scattering method	Pressure	10 bar
Dimension	150×82×175 mm	Power	<6W
Power requirements	DC+12 V ~ +24 V	Cleaning method	Cleaning brush
Measurement period	10 to 65535 seconds	Sample flow rate	200-500m L/min
Operating temperature	0 to 50°C	Communication	RS485(Modbus RTU)

Parameter information

Parameter	Model No.	Range	Resolution	Accuracy
TUR	WQS-T-SC3	0-100 NTU/FNU	0.001 NTU	±2% or ±0.015

Application

- Tap water factory water monitoring
- Water quality monitoring of tap water network
- Monitoring of secondary water supply of tap water