

# Multi-Parameter Water Quality Sensor

## WQS-M-SCx Series



RoHS

CE

### Overview

The multi-parameter water quality sensor adopts optical principle and integrates multiple parameters into one, which can measure turbidity, TOC, and COD. Users can choose specific parameters according to their needs. 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 meter head transmitter and WQS-Server (WQS cloud service), users can realize on-site and remote data viewing.



### Main Features

- 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
- Withstand pressure up to 1 MPa (10 atm)
- Highly integrated, can measure turbidity, organic matter

### Specifications

Principle	90° scattering +UV spectrometry	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	200-500 mL/min
Operating temperature	0 to 50 °C	Communication	RS485(Modbus RTU)

optical

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### Parameter information

Parameter	Model No.	Range	Resolution	Accuracy
TUR	WQS-M-SC2	0-100 NTU	0.001 NTU	±2% or ±0.015 NTU
	WQS-M-SC3			
	WQS-M-SC5			
TOC	WQS-M-SC2	0-10 g/L	0.001 mg/L	±2% F.S.
	WQS-M-SC5			
COD	WQS-M-SC3	0-50 mg/L	0.001 mg/L	±2% F.S.
	WQS-M-SC5			

### Application



Water quality monitoring of tap water network



Tap water factory water monitoring



Monitoring of secondary water supply of tap water