

[Features]

- Measuring principle: ultraviolet absorption method, measuring the absorption degree of organic matter to 254nm wavelength ultraviolet light.
- UV254 LED light source, long life, small drift; filter design, small interference, stable.
- It can measure parameters such as COD, TOC, turbidity and temperature at the same time.
- The COD value can be measured without any chemical reagents, and will not cause any pollution to the environment.
- The sensor has automatic turbidity compensation inside, free from environmental interference.
- Small size, automatic internal cleaning, effectively prevent biological adhesion, adjustable cleaning frequency, automatic cleaning once when starting up.
- With RS-485 digital output, the protocol complies with Modbus RTU.
- Sensor low power consumption, internal circuit anti-interference design.
- Measuring principle: Comply with the NIEA W518.51C announced by the Environmental Protection Agency.
When various organic substances are dissolved in water, ultraviolet light has an absorption effect. The degree of absorption of organic substances to 254nm ultraviolet light can measure the chemical oxygen demand in water, and detect SS through 530nm light beams. It has automatic compensation functions for turbidity and chromaticity.



[Applications]

Fresh water, mariculture monitoring, sewage treatment plants, surface water monitoring, waterworks monitoring, lake reservoir monitoring and marine water conservancy, etc.

[Specifications]

COD Measurement range	0 ~ 1500mg/L	Flow Rate	Less than 3m/s
		Power Supply	DC12V~24V
COD Accuracy	±5%	Power Consumption	No automatic cleaning : 1.2W With automatic cleaning : 2.4W
COD Resolution	0.01 mg/L	Power Supply Pressure	≤ 3bar
TOC Measurement range	0~600 mg/L	Calibration Method	One or two point calibration
TOC Resolution	0.01 mg/L	Sensor Diameter	50mm
Turbidity Measurement range	0 ~ 500NTU	Sensor Length	179mm
Turbidity Accuracy	±5% F.S.	Line Length	10M
Turbidity Resolution	0.01 NTU	Communication Method	RS-485 Modbus RTU
Temperature Measurement range	0 ~ 50°C(no freezing)	Shell Material	316L
Reaction time	≤ 2 sec	Waterproof Level	IP68

[Dimension] mm

