Many organics dissolved in water can absorb UV light. Therefore, the total amount of dissolved organic pollutants in water can be accurately measured by measuring the absorption of these organic compounds to UV light of 254 nm wavelength. The COD sensor adopts two light sources, one is 254nm ultraviolet light, the other is 550nm green light reference light, which can automatically compensate the attenuation of the optical path and eliminate the interference of impurities in the granular suspension to a certain extent, so as to achieve more stable and reliable measurement.

FEATURES

- No reagent, no pollution, more economic and environmental protection
- Small size, more convenient installation, online water quality monitoring
- Automatic compensation for turbidity interference
- With cleaning brush, automatic cleaning, can prevent biological adhesion
- Small drift, fast response and more accurate measurement
- Excellent stability
- Maintenance free, long service life and low cost
- RS-485 interface, Modbus / RTU protocol
- Low power design, anti-interference design

APPLICATIONS

- Environmental protection
- Agriculture
- Aquaculture
- Water conservancy
- Sewage treatment
- Soil remediation

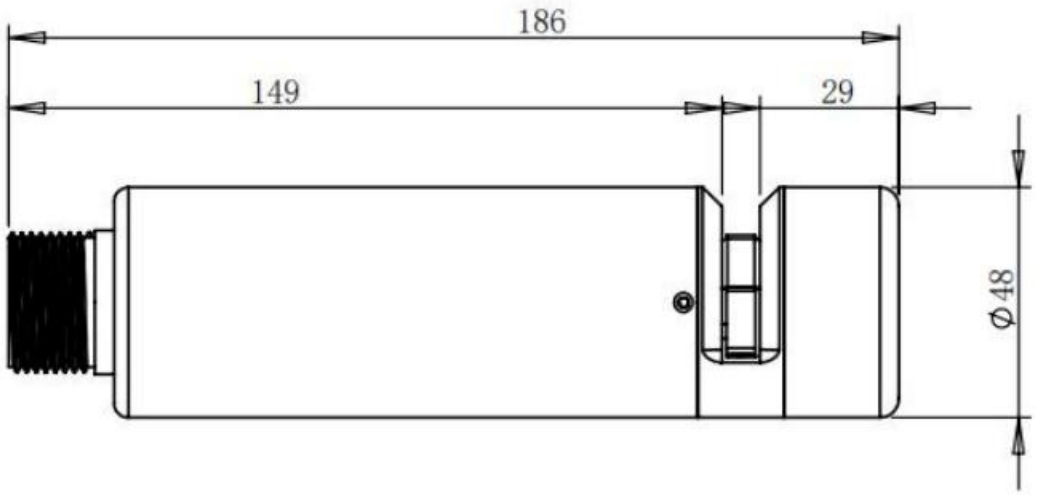
TECHNICAL SPECIFICATION

Item	Technical Specification
Measurement Principle	Dual wavelength ultraviolet absorption method
Range	COD: 0-370mg / L equiv. KHP
	Turbidity:range 0-100NTU
Accuracy	COD: ± 5% F.S
	Turbidity:± 5% F.S
Resolution	COD: 0.1mg/l
	Turbidity:0.1NTU
Supply	10-30VDC(power consumption<0.5W)
Response time	<10s
Output Signal	RS485

Operating Environment	0-+45℃(<0.4MPa)
Cable length	5m(default),customizable
Probe material	Titanium alloy and 316L stainless steel
Ingress Protection	IP68
Storage	10-60℃@20%-90%RH

DIMENSION

Unit:mm



CE Complies with applicable CE directives.
Specifications subject to change without notice. Version 3.0

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