

The RK500-20 Total Suspended Solid (TSS)Sensor is made of optical principle. When a beam of light is injected into the water sample, the suspended substance in the water sample will cause light to scatter. By measuring the intensity of backscattered light and comparing it with the internal calibration value, the suspended substance in the water sample can be calculated, and the final value can be output after linearization.

FEATURES

- IP68 protection
- High accuracy
- Support RS485
- Modbus/RTU protocol
- Convenient
- Stable and easy to maintain

APPLICATIONS

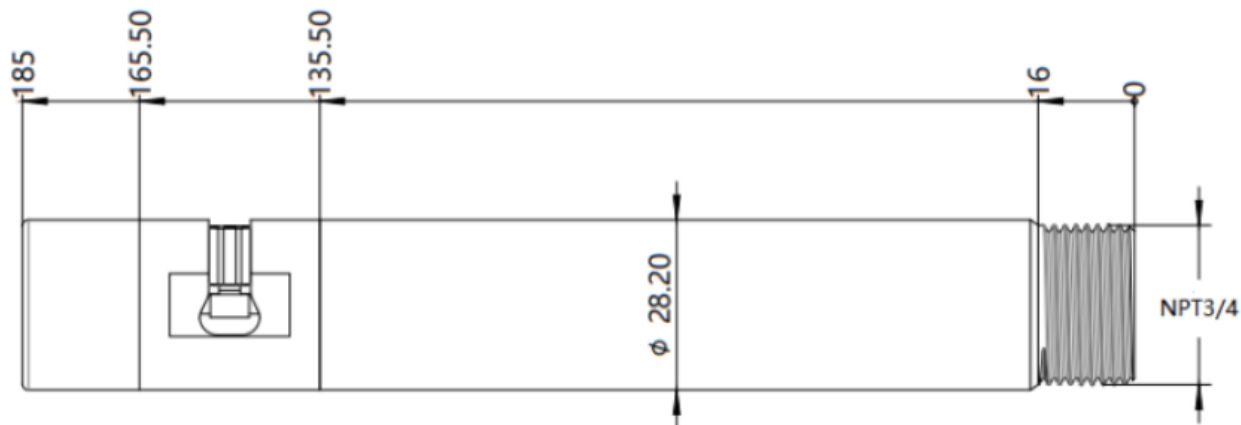
- Aquaculture
- Water quality testing
- Study on the status of algae and phytoplankton

SPECIFICATIONS

Item	Specification
Range	0-100mg/L,0-1000mg/L,0-4000mg/L,0-40000mg/L
Accuracy	±3%FS
Resolution	0.1mg/L(<100mg/L) 1mg/L(>100 mg/L)
Power	12-24VDC
Response time	<2s
Clean	Automatic cleaning brush
Output	4-20mA & RS485(Modbus-RTU)
Main material	316L
Protection class	IP68
Working conditions	0-60°C,<0.8MPa
Cable length	5 m(default), customizable

INSTALLATION DIAGRAM

Unit:mm



INSTALLATION

Installation distance requirements: keep more than 5cm from the side wall and more than 10cm from the bottom.



Complies with applicable CE directives.
Specifications subject to change without notice. Version 2.0
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