RK500-07 Turbidity(SS) Sensor

www.rikasensor.com

Turbidity sensor is an instrument which uses optical principle to measure the degree of turbidity of water. Turbidity is caused by suspended particles in water. The suspended particles reflect the incident light. Usually, the scattered light in the direction of 90° is used as the test signal, so the unit tested is called NTU. This method is suitable for testing low to medium range, ranging from 0.01 to 4000FNU. According to EN27027 and ISO7027 standards, infrared light of 860 nm is used as light source, which can not be disturbed by the chromaticity of samples.

FEATURES

- On-line & real-time monitoring
- With temperature compensation
- High accuracy
- Simple operation and high reliability
- No external module, a whole design
- Multiple output signal is optional

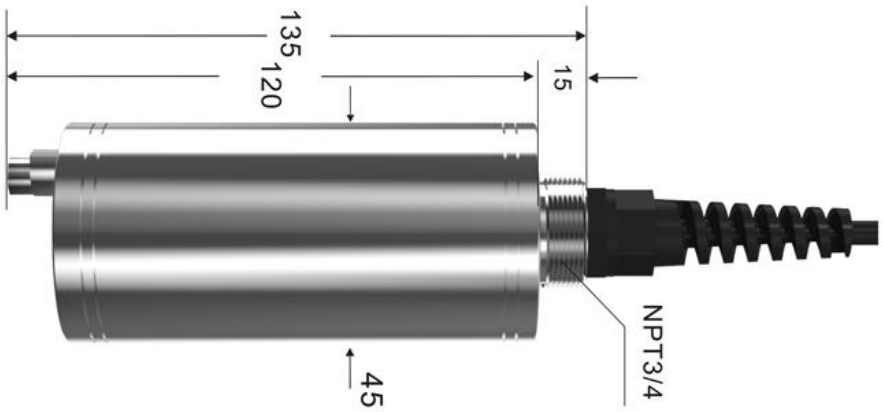
APPLICATIONS

- Environmental protection
- Water quality monitoring
- Aquaculture
- Clean in place(CIP)
- Sewage treatment
- Industrial wastewater treatment

TECHNICAL SPECIFICATION

Item	Technical Specification
Range	0-4000NTU
Accuracy	±1%FS
Resolution	0.1%
Supply	12-24VDC
Temperature compensation	0-60℃
Output	RS485,4-20mA
Pressure Resistance	<3bar
Measuring principle	optical
Power consumption	<10W
Operating Temperature	0-+80℃
Dimension	Φ45*135mm
Main Material	316L
Ingress Protection	IP68
Storage	10-60℃@20%-90%RH
Cable length	5m default

DEMENSION



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

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