WA 500 - Turbidity

The WA500 turbidity refers to the scattered component of a light beam which is diverted away from its natural course by optically denser particles in the medium. (e.g. solid matter particles)
The measurement is performed by using a 90° scattered light method complaint with ISO7027/EN27027. The measuring method is based on the Tyndall effect. The turbidity of the medium is determined by the amount of scattered light.

Product Features

1. High level of measuring reliability with optical infrared technology (880 nm)
2. 90° scattering method for turbidity and absorption
3. Stainless steel 316 sensor body
4. No moving mechanical parts with efficient cleaning system
5. Measurement pre-processed in the sensor which provides high sensitivity in low-signal transmission

Applications

1. Untreated water and well water
2. Surface water
3. Drinking water
4. Process water
5. Industrial and municipal wastewater
6. Seawater

Specifications



S461T

Model	S461T
Measuring range	0~4, 0~40, 0~400, 0~1000 NTU (Option 0 ~ 4000NTU)
Measuringmethod	90° Scattering
Precision	±2% of the F.S.
Repeatability	98%
Response time	5 sec. to reach the 90% of the value
Operating Temp.	0 ~ 60℃
Max. pressure	4 bar
Body material	Black PVC and AISI 316
Mechanical protection	IP68 (Sensor, Cable)
Power supply	12 ~ 24Vdc
Power consumption	Max. 3W
Cable	10m integral with the sensor
Calibration	By points
Signal interface	Modbus RTU Standard Protocol RS485 (4~20mA optional)



S461/N

Model	S461/N
Measuring range	0 ~ 10, 0 ~ 100, 0 ~ 1000NTU (Option 0 ~ 9999NTU)
Measuring method	90° Scattering
Precision	±3% of the F.S.
Repeatability	95%
Response time	2 min. for 90% of the F.S.
Max. flow rate	300L/h
Operating Temp.	0~50℃
Max. pressure	2 bar
Contact material	PVC
Power supply	12~24Vdc
Cable	10m