WSTS1001 SUSPENDED SOLID SENSOR
Infrared Probe type

WSTS1001 total suspended solid sensor is a probe type sensor that can be installed directly to the process (insitu).

The sensor works using light scattering principles. An infrared light penetrates the water sample. The light is scattered by the particles present. A photodetector detects the amount of light that is reflected back. The amount of light detected gives the information on levels of TSS in the sample. A larger number of particles in the sample will lead to more light scattered and detected leading to higher turbidity readings.

Applications

- Sewage treatment plants
- Industrial production of water
- Wastewater treatment process
- Tap water plants etc.

Features

- Has a wiper to ensure that surface is always clean and reading is accurate.

Technical Specification

Specification	
Measure range	0~20,000mg/l; 0.01~45,000mg/l; 0.01~120,000mg/l
Accuracy	<±5% FS
Pressure range	<0.4 MPa
Material	SS 316L Stainless steel
Installation	INSITU
Power consumption	<25W
Communication interface	RS485 Modbus RTU
Size	60mm x 256mm
Weight	1.65 kg
Flow velocity	< 2.5m/s
Lifespan	1 year
Temperature	0~45 °C
Cleaning Interval	10 mins or 15 mins set via meter

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