TGI German Technologies

WSTB1003 Industrial Online Turbidity Sensor uses a flow through installation method.

The sensor works using light scattering principles. As the water sample passes through the sensor. A light beam penetrates the water and light is scattered by the particles present. A detector placed at 90˚angle to light source detects the amount of light that is reflected back. The amount of light detected gives the information on levels of turbidity 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

- Power plants
- Pure water plants
- Tap water plants
- Sewage treatment plants
- Beverage plants
- Environmental protection department
- Industrial water and liquor industry
- Pharmaceutical industry
- Epidemic prevention departments
- Hospitals etc.

Features

- Small size, convenient for system integration
- Small water consumption, saving daily operating costs
- It still maintains high accuracy in the low range and can be applied to drinking water turbidity measurement after membrane water purification
- Long maintenance cycle, automatic sewage discharge, saving daily operation and maintenance costs

Technical Specification

Specification	
Measuring range	0~20.00 NTU
Accuracy	<FS ±2%
Zero Drift	<0.015 NTU
Calibration method	Formazin standard solution calibration
Applicable temperature	0~50˚C
Inlet pressure	0.1kg/cm3-8kg/cm3, flow rate does not exceed 300ml/min
Digital output	RS485 Modbus RTU
Power supply	24 VDC
Dimensions	293mm (h) x 184mm (w) x123mm (d)