Online Turbidity Analyzer – Submerged Type
MS TU 11 (Origin USA)

Turbidity is the degree of resistance that occurs when suspended solids in the water pass through light. The soil contains mud, silt, fine organic matter and other microorganisms and colloids to give turbidity in the water. After the light wave transmitted by the transmitter on the sensor is absorbed, reflected and scattered by the measured object during transmission, a part of the transmitted light can be irradiated onto the detector in the 180° direction, and a part of the scattered light is scattered to the detector in the 90° direction. The intensity of the light received on the detectors in the 180° and 90° directions is related to the turbidity of the measured sewage. Therefore, the turbidity of the sewage can be calculated by measuring the intensity of the transmitted and scattered light.

FEATURE

- Optional online data acquisition software
- Able to restore factory Settings
- 1 channel 4-20mA current output
- Support RS485 communication
- 2 groups of ON/OFF relay control
- Support the IoT system integration
- Watchdog function
- Measuring range customizable



TECHNICAL SPECIFICATION

Measuring Range	: 0 – 10,000 NTU, measurement range can be customizable
Resolution	: 0.01%, 0.1℃
Accuracy	: ±1.0%FS, ±0.5℃
Set Points	: 02 Nos (High /Low) two groups of ON/OFF contact individual high and low
Control Output	: 02 Nos Potential Free Relay (3A, 220VAC / 24VDC)
Retransmission Output	: 4 to 20 mA isolated
Communication Output	: RS 485 MODBUS
Environment Conditions	: Temperature 0~60°C, RH ≤90%.
Supply Voltage	: AC 220V10,50/60Hz
Mounting	: Panel Mounted
Dimensions of Controllers	: 96 × 96 × 168mm
Dimensions of Sensor	: 237 x 64mm (submerged type sensor)
Controller Weight	: 0.9 kg
Sensor Weight	: 4.1 kg
Protection level	: IP65 (controller), IP68 (Submerged type sensor)
Sensor Cable	: 10 Meter

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APPLICATION

- Chemical
- Electroplating
- Paper making
- Environmental water treatment
- Pharmaceutical
- Food
- Water

Note : Due to continuous Improvement in the product specification & looks may vary

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