

T30-SWW

Suspended Solids / Turbidity Sensor

Get better control and monitoring of your Stormwater run-off, Sediment, Raw Water and Surface Water . Bringing sophisticated process control suspended solids sensors to Stormwater and Waste.

- Four beam self compensating sensor, virtually eliminates drift due to contamination or electronic ageing.
- Immersion style.
- Simple user interface.
- Accurate, repeatable & reliable.
- Low power suitable for remote installations



T30-SWW Measurement Range, 0 to 1000 NTU, 0 to 750mg/l SiO₂

Multi-beam sensor using both attenuated and 90° scattered light. The multi-beam system compensates for fouling of surface and ageing of electronics providing a very repeatable output.

Applications include;

- Stormwater sediment runoff monitoring
- Flocculant dosing and control
- Wastewater monitoring and control
- Monitoring of clarifier overflow weirs
- Raw water inlet turbidity measurement to water treatment plants
- Surface water monitoring
- Solids loading in rivers and streams
- Final outlet of effluent from DAF plants
- Filtration Monitoring and control

Specifications

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|-------------------|--|
| Measuring Range | Immersion Sensor: 0 to 1000 NTU 0 to 750mg/l SiO ₂ (the measuring range will vary according to media and particle characteristics) |
| Accuracy | +/- 2% of reading |
| Repeatability | +/- 1% of reading |
| Temperature | 0 to 50°C operating range |
| Pressure | 5 Bar |
| Cable | Polyurethane covered cable rated to 95°C. Extension cables can be supplied to extend the cable up to 100m. |
| Outputs | Modbus RS485 and 1 x solid state relay or 4-20mA, Modbus RS485 and 1 x solid state relay |
| Power Requirement | 0.25W at 5V for Modbus only or 9 to 32V for 4-20mA and Modbus |

Model No. Selection Guide

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|---------------|--|
| Body Style | T30-SWW- Immersion Body |
| Wave Length | 880nm - Standard. |
| Body Material | PP - Polypropylene, Fingers - Polysulfone |
| Cable | 10- Supplied with a 10m cable as standard. Other lengths available |
| Connector | NC- No Connector. Cores stripped and crimped for direct connection with power, communications or HMI |

Sample model no; T30-SWW-880-PP-10-MB

Optional Extras Jet attachment - powered using air at 5Bar.

Calibration Shipped with PC based App and USB Dongle for simple 2 point calibration

