# Turbo Turbidity Sensor
## WITH DATA LOGGING

**Seametrics**

## APPLICATIONS

Monitoring streams and rivers

Monitoring water storage bodies, including stratification studies
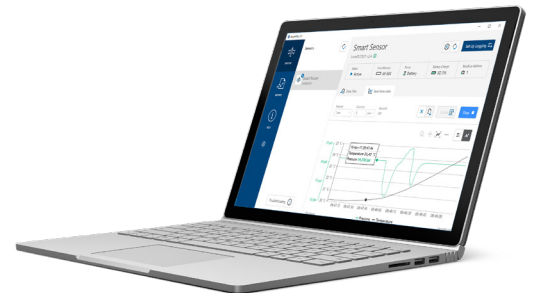
Intermediate and final effluent treatment monitoring

Hydrological run-off studies

Ground and bore water analysis

## Features

- Measures and records turbidity and temperature
- Modbus® RTU (RS485) and SDI-12 interface — *great flexibility*
- 260,000+ record non-volatile memory — *no data loss in the event of a power failure*
- Free, easy-to-use software
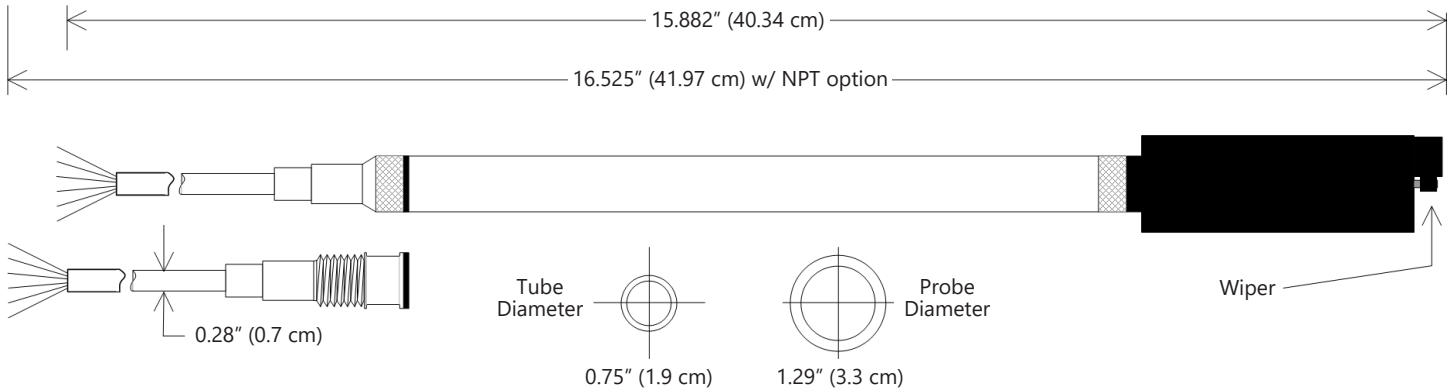- Replaceable wiper blade

## Free Software

- Set up flexible recording sequences
- Retrieve data
- Monitor real time data
- View collected data— *tables & graphs*
- Export to spreadsheets and databases with a click of a button

## Contact Your Supplier

# Turbo Turbidity Sensor
## WITH DATA LOGGING



15.882" (40.34 cm)
16.525" (41.97 cm) w/ NPT option

0.28" (0.7 cm)

Tube Diameter
0.75" (1.9 cm)

Probe Diameter
1.29" (3.3 cm)

Wiper

## GENERAL

| | |
|---|---|
| **Length** | 15.882" (40.34 cm) w/ cable harness<br>16.525" (41.97 cm) w/ NPT adapter |
| **Probe Diameter** | 1.29" (3.3 cm) |
| **Tube Material** | Acetal & 316 stainless steel |
| **Probe Material** | Composite |
| **Wire Seal Material** | Fluoropolymer and PTFE |
| **Submersible Cable** | Polyurethane, polyethylene, *or* ETFE available |
| **Terminating Connector** | Available |
| **Communication** | RS485 Modbus® RTU<br>SDI-12 (ver 1.3) |
| **Direct Modbus Read Output** | 32-bit IEEE floating point |
| **Internal Math** | 32-bit floating point |
| **Operating Temp. Range** | 0° C to 40° C |
| **Storage Temp. Range** | -20° C to 50° C |

## LOGGING

| | |
|---|---|
| **Memory** | 260,000+ records |
| **Log Types** | Variable, user-defined, logarithmic, profiled |
| **Programmable Baud Rate** | 9600, 19200, 38400 |
| **Logging Rate** | 2x/sec maximum |
| **Software** | Complimentary Aqua4Plus |
| **Networking** | 32 available addresses per junction w/ batching capabilities (up to 255) |
| **File Formats** | .csv / .a4d |

## SENSOR

| | |
|---|---|
| **Measuring Ranges** | 0–400 NTU<br>0–3000 NTU |
| **Measuring Method** | 90 degree ISO 7027 |
| **Accuracy** | ± 2% or ± 2 NTU @ 25° C (whichever is greater) |
| **Repeatability** | ± 2% @ 25° C |
| **Temperature Range** | 0° C to 40° C |
| **Maximum Depth** | 164 ft (50 m) |

## POWER

| | |
|---|---|
| **External Power Pack Required** | 12 Vdc nominal (9–15 Vdc) |

Seametrics Power Packs available.

Contact Seametrics for details.

*User is responsible for reviewing end use application with their supplier for product suitability.*