

Datalogging Water Quality Sensor

AquiStar® Turbo Turbidity Sensor with Datalogging

The Turbo Sensor measures a wide range of NTUs, making it a versatile device capable of deployment at many different sites.

This device also comes with a built-in datalogger and Aqua4Plus software. With both features standard, the Turbo Turbidity Sensor is perfect for the environmental professional who is frequently on the move.

FEATURES

- Measures and records turbidity and temperature
- Can measure up to 1,000 NTUs
- 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*
- Built-in datalogger
- Wireless connectivity — *radios and/or cellular*
- Programmable warm-up time
- Free, easy-to-use software
- Replaceable wiper blade

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
- Drinking water filtration efficiency
- Industrial process monitoring
- Sludge and dredge monitoring

FREE AQUA4PLUS 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



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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SPECIFICATIONS

General

Length	15.882" (40.34 cm) w/cable harness 16.525" (41.97 cm) w/NPT adapter
Probe Diameter	1.29" (3.3 cm)
Tube Material	Acetal & 316 stainless steel or titanium
Probe Material	Composite
Wire Seal Material	Fluoropolymer and PTFE
Submersible Cable	Polyurethane, polyethylene, or ETFE available
Terminating Connector	Available
Communication	RS485 Modbus® RTU 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	.xls/.csv/.a4d

Sensor

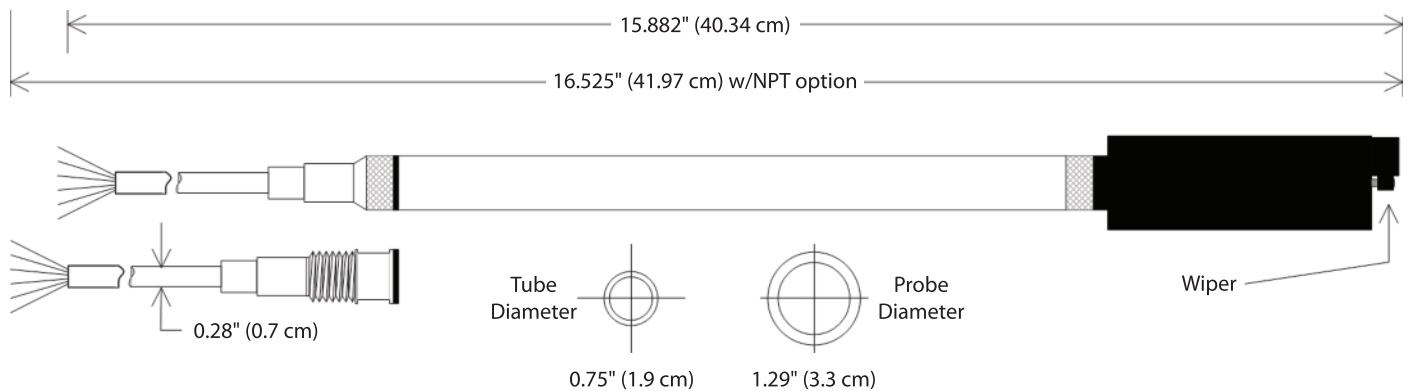
Measuring Range	0–1000 NTU
Accuracy	±2% or ±2 NTU @ 25° C — <i>whichever is greater</i>
Repeatability	±2% @ 25°C
Temperature Range	0°C to 40°C
Maximum Depth	164 ft. (50 m)

Power

External Power Pack Required 9-15 VDC

INW Power Packs available.

Information in this document is subject to change without notice.



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