geotech

Datalogging Water Quality Sensor

Seametrics Turbo – Turbidity Sensor with Datalogging

The Turbo Sensor is a Turbidity and Temperature sensor with internal datalogging. Constructed with rugged 316 stainless steel, the Turbo is ideal for monitoring in surface water and ground water environments. The sensor is easily programmed and monitored using the included Aqua4Plus software.

FEATURES

- **Measures and records turbidity and temperature**
- **Can measure up to 3,000 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 Aqua4Plus 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.
2650 East 40th Avenue • Denver, Colorado 80205
(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242
email: sales@geotechenv.com   website: www.geotechenv.com

Datalogging Water Quality Sensor

Seametrics Turbo – Turbidity Sensor with Datalogging

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
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

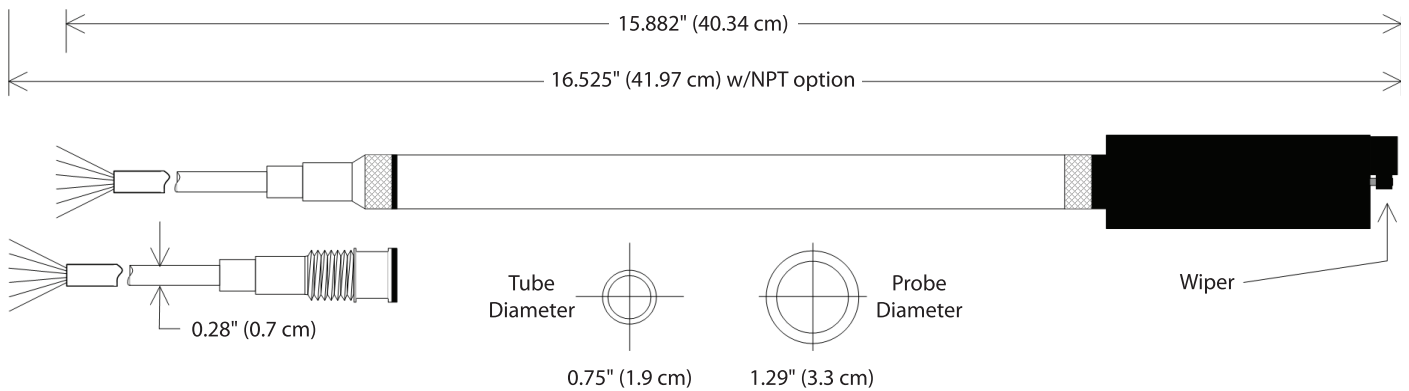|	
Memory	260,000+ records
Log Types	Variable, user-defined, logarithmic, profiled
Programmable Baud Rate	9600, 19200, 38400
Logging Rate	2x w/sec. maximum
Software	Complimentary Aqua4Plus
Networking	32 available addresses per junction w/batching capabilities (up to 255)
File Formats	.csv/.a4d

Sensor

Measuring Range	0-400 NTU 0 –3000 NTU
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 (9-16 VDC) Seametrics Power Packs available. Contact Geotech for details.

Information in this document is subject to change without notice.

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

CALL GEOTECH TODAY (800) 833-7958