

Barometric/Temperature Smart Sensor with Data Logging

Seametrics BaroSCOUT

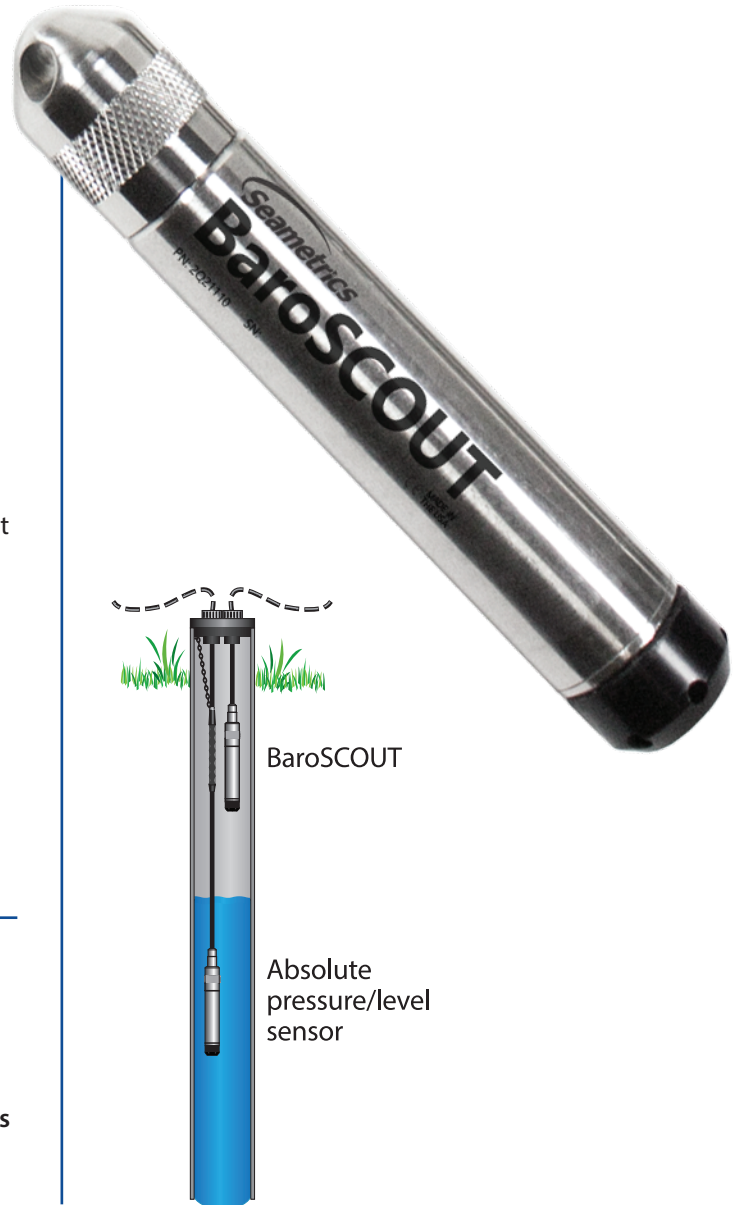
The BaroSCOUT data logger measures and logs barometric pressure and temperature. The sensor can be used with non-vented (absolute) smart sensors to compensate for barometric pressure fluctuations. The included Aqua4Plus software automatically corrects for barometric pressure when data from smart sensors and the BaroSCOUT are imported.

FEATURES

- Available with cable or no cable option
- Thermally compensated — great where water temperatures vary, such as in streams or industrial tank applications
- Small diameter — 0.875" (2.22 cm)
- Low power — 4 year battery life
- Field replaceable batteries
- 316 stainless steel, fluoropolymer, and acetal construction (titanium optional)
- Modbus® RTU protocol — for great flexibility
- $\pm 0.05\%$ FS accuracy
- Non-volatile memory — your data will not be lost in the event of a power failure
- Delayed start feature — state a specific future start time, making it easy to set several sensors to start at the same time
- Field-serviceable cable connectors — easily remove the connector, route cable through well seals, walls, or conduit, and then replace connector
- Wireless connectivity
- Barometric compensation utility
- Free, easy-to-use Aqua4Plus software

APPLICATIONS

- Barometrically compensate absolute pressure sensors for level measurement — no desiccant tubes, bellows, or vent tubes needed!
- Supplement aquifer test data in leaky or confined conditions



CALL GEOTECH TODAY (800) 833-7958

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SPECIFICATIONS

GENERAL

Length (cabled version)	6.6" (16.7 cm)
Length (cableless version)	5.1" (12.9 cm)
Diameter	0.875" (2.22 cm)
Body Material	316 stainless steel
Wetted Materials	316 stainless steel, acetal, fluoropolymer
Communication	RS485 Modbus® RTU
Direct Modbus Read Output	32-bit IEEE floating point
Internal Math	32-bit floating point
Operating Temp. Range	-20°C to 60°C
Storage Temp. Range	-40°C to 80°C
Regulatory	CE
LOGGING	
Memory	50,000 records
Logging Rate	1x per second
Software	Complimentary Aqua4Plus 2.0
File Formats	.csv/.a4d

POWER

Internal Battery	One 1/2 AA 3.6 lithium battery
Expected Battery Life	4 years (depending on use)

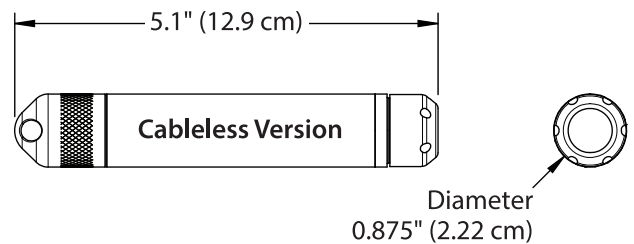
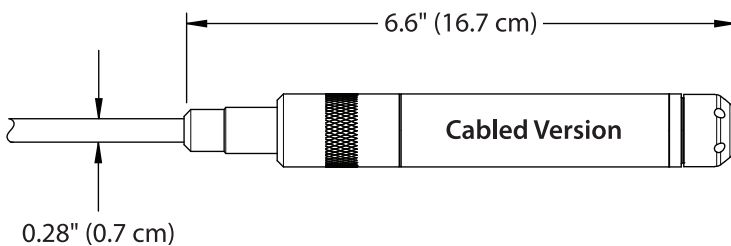
TEMPERATURE

Element Type	Thermistor
Accuracy	±0.1°C (from -20°C to 60°C)
Resolution	0.01°C
Units	Celsius, Fahrenheit, Kelvin

PRESSURE

Transducer Type	Silicon strain gauge
Transducer Material	316 stainless steel
Units	PSI, FtH ₂ O, inH ₂ O, cmH ₂ O, mmH ₂ O, mH ₂ O, inHg, cmHg, mmHg, Bars, mBars, kPa
Accuracy	±0.008 PSI (0.55 mbar) (@ 20°C) ±0.02 PSI (1.34 mbar) (@ -20°C to 60°C)
Resolution	0.01% FS (typical)

NOTE: Intended for use in atmosphere — not to be submerged.



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