

# Barometric/Temperature Smart Sensor with Data Logging

## INW BaroSCOUT

The BaroSCOUT has barometric compensation unity – no desiccant tubes, bellows, or vent tubes needed! The sensor is integrated with data logging and available in either 316 stainless steel or titanium — providing highly accurate readings in rugged and corrosive field conditions.

### FEATURES

- **Measures/Records barometric pressure and temperature**
- **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
- **316 stainless steel, fluoropolymer, and acetal construction** (titanium optional)
- **Modbus® RTU protocol** — for great flexibility
- **± 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 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**

**Geotech Environmental Equipment, Inc.**

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geotech

## INW BaroSCOUT

### SPECIFICATIONS

#### GENERAL

<b>Length</b> (cabled version)	6.6" (16.7 cm)
<b>Length</b> (cableless version)	5.1" (12.9 cm)
<b>Diameter</b>	0.875" (2.22 cm)
<b>Body Material</b>	316 stainless steel or titanium
<b>Wetted Materials</b>	316 stainless steel, acetal, fluoropolymer
<b>Communication</b>	RS485 Modbus® RTU
<b>Direct Modbus Read Output</b>	32-bit IEEE floating point
<b>Internal Math</b>	32-bit floating point
<b>Operating Temp. Range</b>	-20°C to 60°C
<b>Storage Temp. Range</b>	-40°C to 80°C
<b>Regulatory</b>	CE

#### LOGGING

<b>Memory</b>	50,000 records
<b>Logging Rate</b>	1x per second
<b>Software</b>	Complimentary Aqua4Plus Lite
<b>File Formats</b>	.xls/.csv/.a4d

#### POWER

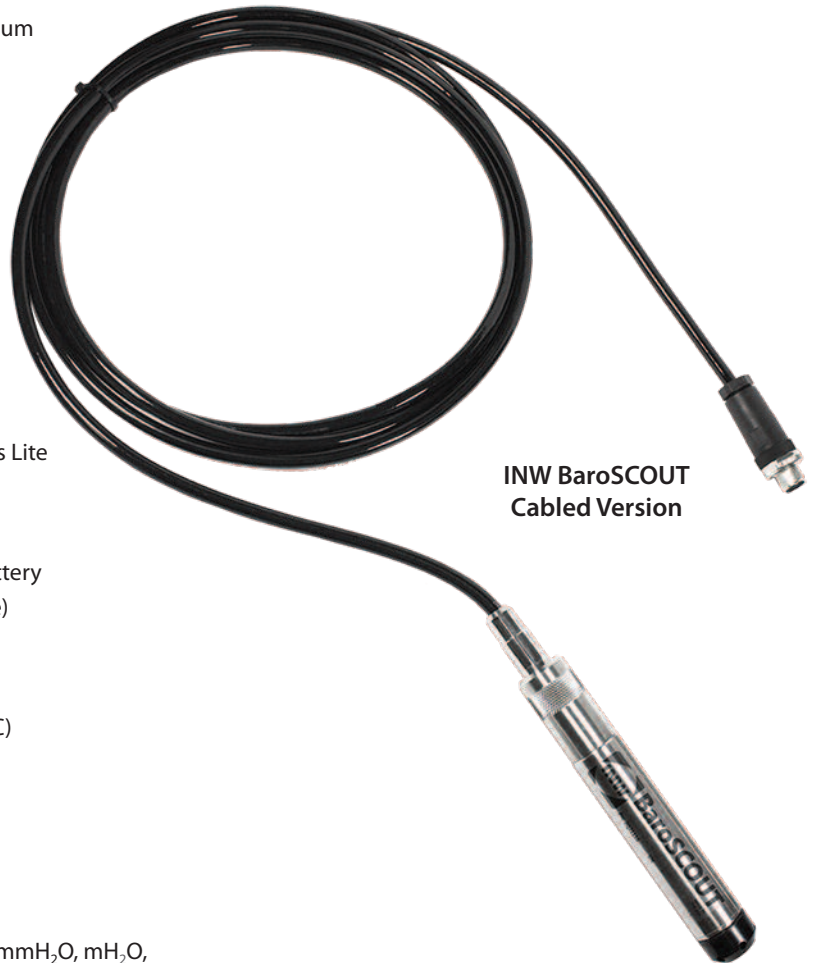
<b>Internal Battery</b>	One 1/2 AA 3.6 lithium battery
<b>Expected Battery Life</b>	4 years (depending on use)

#### TEMPERATURE

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

#### PRESSURE

<b>Transducer Type</b>	Silicon strain gauge
<b>Transducer Material</b>	316 stainless steel
<b>Units</b>	PSI, FtH <sub>2</sub> O, inH <sub>2</sub> O, cmH <sub>2</sub> O, mmH <sub>2</sub> O, mH <sub>2</sub> O, inHg, cmHg, mmHg, Bars, mBars, kPa
<b>Accuracy</b>	± 0.008 PSI (0.55 mbar) (@ 20°C) ± 0.015 PSI (1.03 mbar) (@ -20°C to 60°C)
<b>Resolution</b>	0.0034% FS (typical)



INW BaroSCOUT  
Cabled Version

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

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