

BaroSCOUT

Barometric/Temperature Smart Sensor

WITH DATA LOGGING



APPLICATIONS

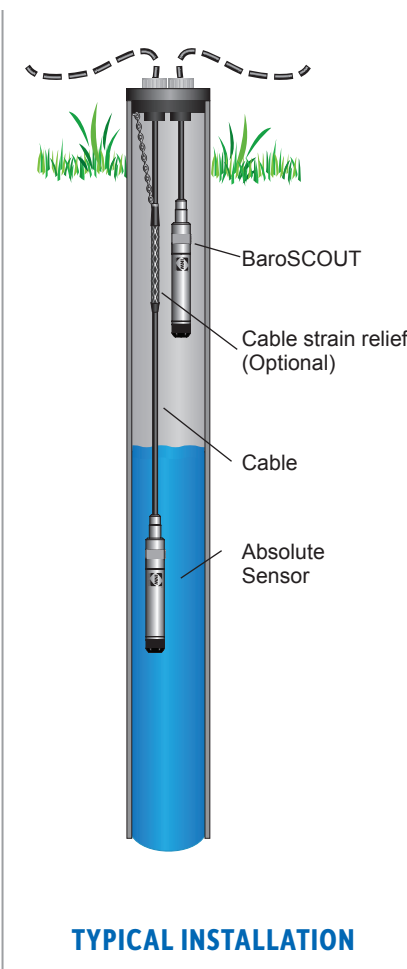
Barometrically compensate absolute pressure sensors for level measurement

Supplement aquifer test data in leaky or confined conditions

Use with absolute pressure sensors — no desiccant tubes, bellows, or vent tubes needed!

Features

- Measures and records barometric pressure and temperature
- Low power — *4 year battery life*
- Modbus® RTU (RS485) — *great flexibility*
- $\pm 0.05\%$ FS accuracy
- Small diameter — 0.875" (2.22 cm)
- 50,000 record non-volatile memory — *no data loss in the event of a power failure*
- Wireless connectivity
- Barometric compensation utility
- Free, easy-to-use software

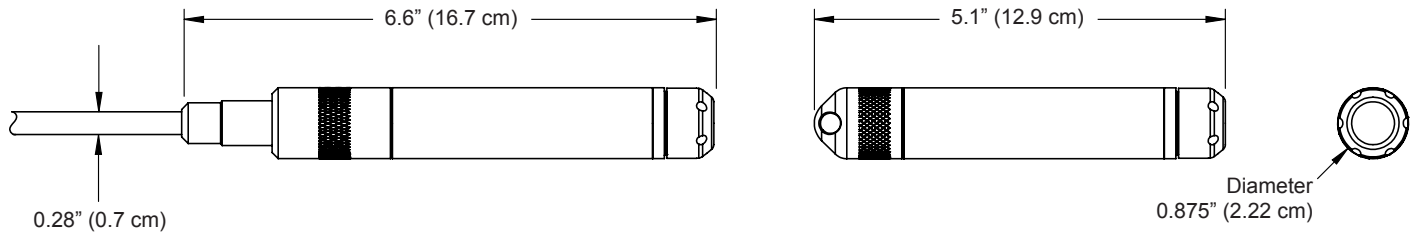


TYPICAL INSTALLATION



1-800-PRO-WELL
WWW.INWUSA.COM
CE

BarSCOUT Barometric/ Temperature Smart Sensor with Data Logging



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

LOGGING

Memory	50,000 records
Logging Rate	1x per second
Software	Complimentary Aqua4Plus Lite
File Formats	.xls / .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) ± 0.015 PSI (1.03 mbar) (@ -20° C to 60° C)
Resolution	0.0034% FS (typical)
Maximum Operating Pressure	1.1 x FS
Over Range Protection	3x FS
Burst Pressure	600 psi (approx. 1350 ft or 410 m)

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

SALES & SERVICE

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