

Submersible Level Smart Sensor with Data Logging

INW LevelSCOUT

The LevelSCOUT is great for measuring absolute water level and temperature — whether it be in a lake, a tank, or a well. 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 level, temperature, and time**
- **Thermally compensated** — great where water temperatures vary, such as in streams or industrial tank applications
- **Small diameter** — 0.875" (2.22 cm)
- **Low power** — 4.5 year battery life
- **316 stainless steel, fluoropolymer, and acetal construction** (titanium optional)
- **Modbus® RTU protocol** — for great flexibility
- **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
- **Barometric compensation utility**
- **Free, easy-to-use software**

APPLICATIONS

- Site assessments
- Tidal studies
- Environmental monitoring
- Surface water discharge monitoring
- Aquifer level monitoring
- Aquifer storage & recovery



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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INW LevelSCOUT

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 or titanium
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 Lite
File Formats	.xls/.csv/.a4d

POWER

Internal Battery	One 1/2 AA 3.6 lithium battery
Expected Battery Life	4.5 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 (LEVEL)

Transducer Type	Silicon strain gauge
Transducer Material	316 stainless steel
Ranges	
<i>Absolute¹</i>	
<i>PSI</i>	30, 50, 100, 300
<i>FtH₂O</i>	35, 81, 196, 658
<i>mH₂O</i>	10, 24, 59, 200
Units	PSI, FtH ₂ O, inH ₂ O, cmH ₂ O, mmH ₂ O, mH ₂ O, inHg, cmHg, mmHg, Bars, mBars, kPa
Accuracy	± 0.05% FS (@ 20°C) ± 0.10% FS (0°C to 40°C)
Resolution	0.0034% FS (typical)
Maximum Operating Pressure	1.1 x FS
Over Range Protection	3x FS (for >300 psi ² , 1.75 FS)
Burst Pressure	600 psi (approx. 1350 ft. or 410 m)



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Cabled Version

¹ Depth range has 15 PSI subtracted to give actual depth allowed.

² Approx. 658 feet or 200 meters

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