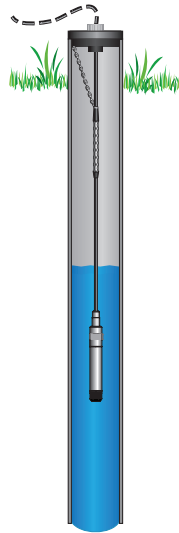


LevelSCOUT

SUBMERSIBLE LEVEL/TEMPERATURE SMART SENSOR



APPLICATIONS

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

Features

- Measures/Records level and temperature
- Low power — 4.5 year battery life
- Replaceable battery
- Modbus® RTU (RS485)
- $\pm 0.05\%$ FS accuracy
- Small diameter — 0.875" (2.22 cm)
- 50,000 record non-volatile memory
- Barometric compensation utility
- Free, easy-to-use Aqua4Plus 2.0, our new upgraded software

The **Seametrics LevelSCOUT** Smart Sensor is an integrated datalogger and level/temperature sensor and is ideal for site assessments, tidal studies, environmental monitoring, surface water discharge measurement, and aquifer level monitoring, as well as aquifer storage and recovery. This sensor networks with all of the Seametrics Smart Sensor family.

This industry standard digital RS485 interface device records up to 50,000 records of level, temperature, and time data, operates with low power, and features easy-to-use software with powerful features. Constructed with 316 stainless steel or grade 2 titanium, acetal, and fluoropolymer, this sensor provides high-accuracy readings in rugged and corrosive field conditions.

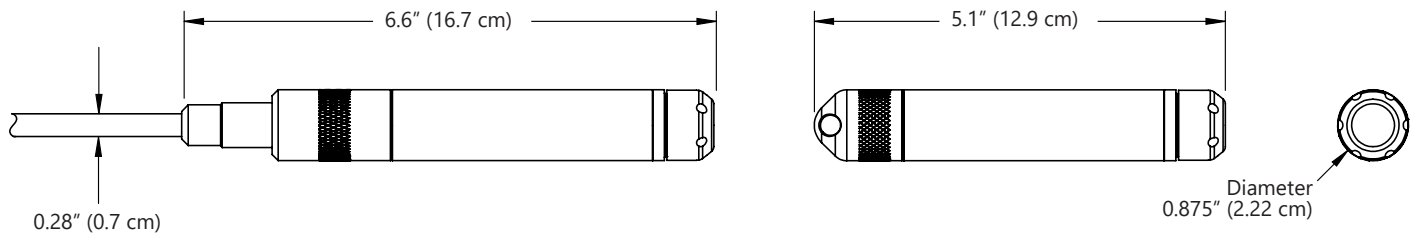
The LevelSCOUT is an absolute sensor, requiring no vent tubes, desiccant, or bellows. It can be paired with a BaroSCOUT barometric sensor and used with the Aqua4Plus 2.0 Barometric Compensation Utility to adjust the LevelSCOUT readings for current atmospheric pressure.

A replaceable 1/2 AA 3.6v lithium battery powers the LevelSCOUT. The unit is programmed using our easy-to-use control software. Once programmed the unit will measure and collect data at the time interval set.

While most will use the LevelSCOUT with Seametrics' Aqua4Plus 2.0 software, it is by no means limited to that software. You can use your own Modbus® RTU software or logging equipment to read measurements via RS485, tying into your existing telemetry and control systems.

Contact Your Supplier





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 grade 2 titanium
Wetted Materials	316 stainless steel or grade 2 titanium, 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 replaceable 1/2 AA 3.6V 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 or Hastelloy® C276
Ranges	
Absolute ¹	
PSI	30, 50, 100, 300
FtH ₂ O	35, 81, 196, 658
mH ₂ O	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)

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

² Approx. 658 feet or 200 meters