

The LevelSCOUT 2X is the next generation of economical smart instruments designed to record water level and temperature measurements. Featuring a low maintenance absolute sensor, the LevelSCOUT 2X can operate either stand-alone or paired with a BaroSCOUT 2X for atmospheric pressure compensation. Sensor set-up and operation is simple with the included Aqua4Plus software.

FEATURES

- Small Diameter .875" (2.22cm)
- High Accuracy $\pm 0.05\%$ FS
- Low power 5 year battery life
- Module RS485 & SDI-12 communications
- Non-volatile memory with 100,000 data record capacity
- Rugged 316 SS and Fluoropolymer materials of construction

APPLICATIONS

- Tidal studies
- Unattended groundwater level monitoring
- Ongoing surface water monitoring
- Tank levels
- Pump controls
- Water/fluid storage
- Evaporation monitoring



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 and SDI-12
Direct Modbus Read Output	32-bit IEEE floating point
Internal Math	32-bit floating point
SDI-12	(ver. 1.3) - ASCII
Operating Temp. Range	-20°C to 60°C
Storage Temp. Range	-40°C to 80°C
Regulatory	CE

Logging

Memory	100,000 records
Logging Rate	Configurable down to 1/second
Software	Complimentary Aqua4Plus 2.0
File Formats	.csv/.a4d

Power

Internal Battery	One replaceable 2/3 AA 3.6V lithium battery
Expected Battery Life	5 years (at 4 readings per minute)

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>Absolute</i> ¹
	PSI 30, 50, 100, 300
	FtH ₂ O 35, 80, 200, 650
	mH ₂ O 10, 25, 60, 200

Units	PSI, FtH ₂ O, inH ₂ O, cmH ₂ O, mmH ₂ O, mH ₂ O, inHg, cmHg, mmHg, Bars, mBars, kPa
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Accuracy	±0.05% FS (@ 20°C) ±0.10% FS (0°C to 40°C)
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Resolution	0.0034% FS (typical)
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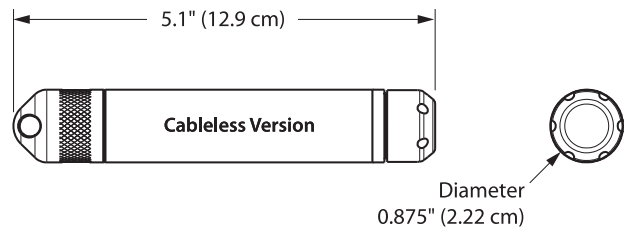
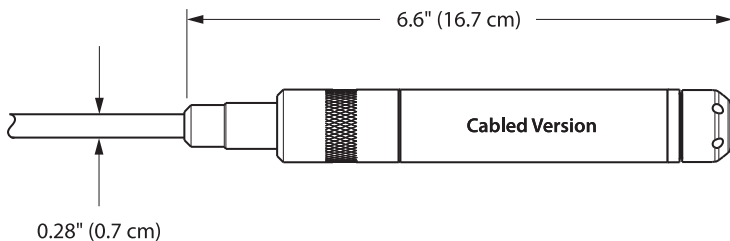
Max. Operating Pressure	1.1 x FS
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Over Range Protection	3x FS (for >300 psi ² , 1.75x FS)
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Burst Pressure	600 psi (approx. 1350 ft. or 410 m)
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1 Depth range has 15 psi subtracted to give actual depth allowed.
2 Approx. 658 feet or 200 meters

DIMENSIONS



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