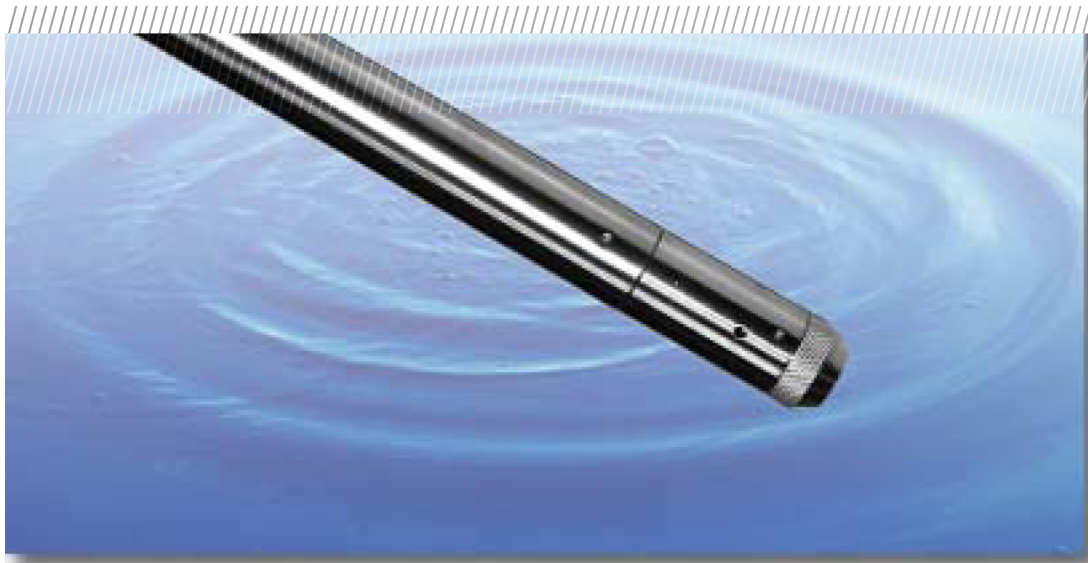


PT2X Submersible Pressure/Temperature Smart Sensor

WITH DATA LOGGING



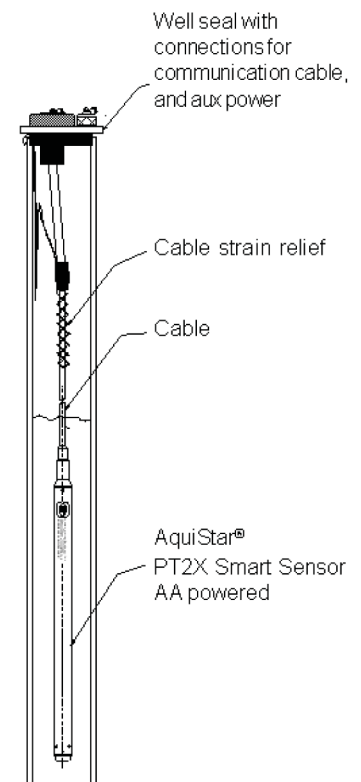
APPLICATIONS

- Pump and slug tests
- Stormwater runoff monitoring
- Well, tank, tidal levels
- River, stream, reservoir gauging
- Wetland monitoring
- Resource administration

Great almost anywhere you need to measure level and temperature – whether it be in a lake, a tank, or a well

Features

- Measures and records pressure/level, temperature, and time
- Low power — *field replaceable AA batteries*
- Modbus[®] RTU (RS485) and SDI-12 interface — *great flexibility*
- Thermally compensated — *great where water temperatures vary, such as in streams or in industrial tank applications*
- $\pm 0.05\%$ FSO typical accuracy
- Small diameter — 0.75" (1.9 cm)
- 520,000 record non-volatile memory — *no data loss in the event of a power failure*
- Wireless connectivity — *radios and/or cellular*
- Barometric compensation utility for use with absolute sensors
- Free, easy-to-use software



TYPICAL INSTALLATION

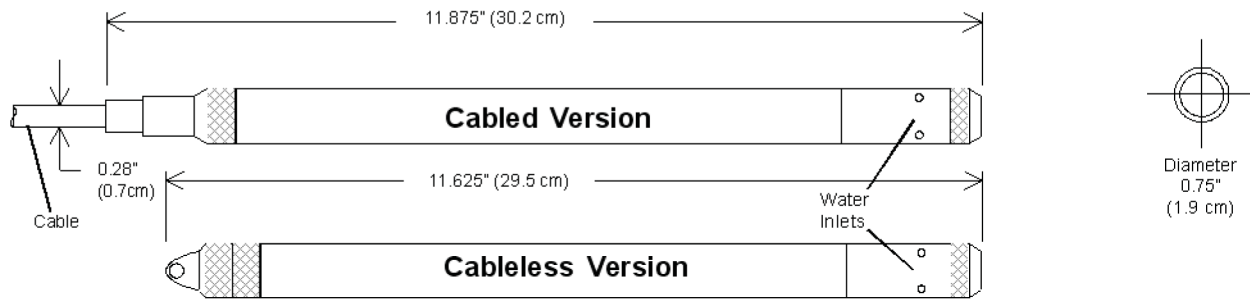


True data, measure by measure

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



PT2X Submersible Pressure/ Temperature Smart Sensor with Data Logging



GENERAL

Length	11.875" (30.2 cm) cabled 11.625" (29.5 cm) cableless
Diameter	0.75" (1.9 cm)
Weight	0.8 lb. (0.4 kg)
Body Material	Delrin® & 316 stainless steel or titanium
Wire Seal Material	Viton® and PTFE/FEP
Submersible Cable	Polyurethane, polyethylene, or FEP available
Protection Rating	IP68, NEMA 6P
Desiccant	1-3 mm indicating silica gel (<i>high or standard capacity</i>)
Terminating Connector	Available
Communication	RS485 Modbus® RTU SDI-12 (ver.1.3)
Direct Modbus Read Output	32-bit IEEE floating point
SDI-12 Output	ASCII
Internal Math	32-bit floating point
Operating Temp. Range³	-15° C to 55° C
Storage Temp. Range¹	-40° C to 80° C

LOGGING

Memory	4MB - 520,000 records
Log Types	Variable, user-defined, logarithmic, profiled
Programmable Baud Rate	9600, 19200, 38400
Logging Rate	8x/sec maximum
Software	Complimentary Aqua4Plus or Aqua4Push
Networking	32 available addresses per junction w/ batching capabilities (up to 255)
File Formats	.xls / .csv / .a4d

POWER

Internal Battery	2x1.5V AA alkaline ²
Auxiliary Power	12 VDC - Nominal 6-15VDC - Range
Exp. Alkaline Battery Life	18 months at 15m polling interval ⁶

TEMPERATURE

Element Type	Digital IC on board
Accuracy	± 0.5° C
Resolution	0.1° C
Range	-40° C to 80° C
Units	Celsius, Fahrenheit, Kelvin

PRESSURE

Transducer Type	Silicon strain gauge
Transducer Material	316 stainless steel or titanium
Pressure Ranges	
<i>Gauge</i>	
FtH ₂ O ⁵	2.3, 5.8, 12, 35, 69, 115, 231, 692
mH ₂ O ⁵	0.7, 1.75, 3.5, 10.5, 21, 35, 70, 210
<i>Absolute</i>	
FtH ₂ O ⁵	46, 69, 115, 231, 692
mH ₂ O ⁵	14, 21, 35, 70, 210

Units
PSI, FtH₂O, inH₂O, cmH₂O, mmH₂O, mH₂O, inHg, cmHg, mmHg, Bars, mBars, kPa

Static Accuracy
± 0.05% FSO (typical)
± 0.1% FSO (maximum)
(*B.F.S.L. 20° C*)

Resolution
0.0034% FS (typical)

Maximum Operating Pressure
1.1 x FS

Burst Pressure⁴
3.0 x FS

Compensated Range
0° C to 40° C

¹ Storage without batteries
² Lithium available upon request
³ Requires freeze protection kit if in water below freezing

⁴ Burst reduced at PSI>300
⁵ Higher pressure ratings available upon request
⁶ May vary due to environmental factors

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