



PT2X SUBMERSIBLE

PRESSURE/TEMPERATURE SMART SENSOR WITH DATA LOGGING



FEATURES

- RS485/RS232 interface
- Small diameter
- Pressure, temperature & time
- 130,000+ records / non-volatile
- 316 stainless steel, Viton® and Teflon® construction
- Polyethylene, polyurethane and FEP Teflon® cable options
- Free Suspension version available
- MODBUS® protocol for RTU & PLC applications
- Easy export to spreadsheets & databases

DESCRIPTION

INW's patented AquiStar® PT2X submersible pressure transmitter represents the latest in state-of-the-art level measurement technology. Building on years of successful experience, this industry standard digital RS485 interface device offers great noise immunity, thermal performance and transient protection. In addition, this device stores over 130,000 records of pressure, temperature and time data, operates with low power, and features easy to use software with powerful features.

The transmitter's end cone is interchangeable with a 1/4" NPT inlet which allows for increased application use and easy hookup. The modular-designed AquiStar® PT2X can be factory serviced and repaired saving on future upgrade and repair costs.

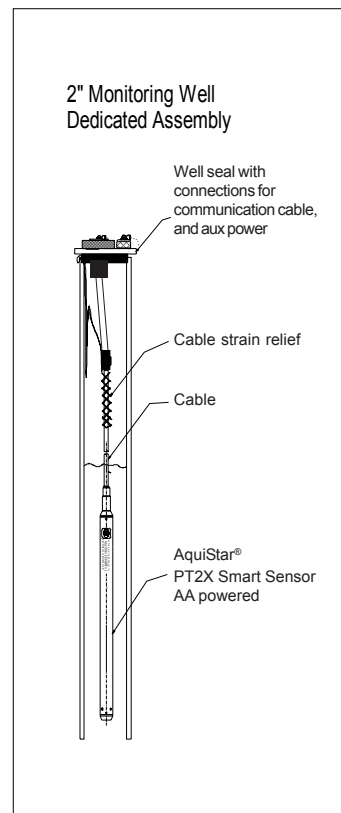
OPERATION

The PT2X is powered internally with two AA batteries or with an auxiliary power supply for data intensive applications. INW offers alkaline, rechargeable, and other auxiliary power systems. At the rate of four measurements per hour, the unit will run for a year on its internal AA batteries.

The PT2X comes with powerful, easy-to-use, Windows®-based Aqua4Plus software, affording the user extensive control, including real time monitoring, flexible programming, easy field calibration, and a delayed start feature. Aqua4Palm is available for Palm®-based handhelds, allowing the user to create test sessions, examine data, and monitor real time readings with the convenience and portability of a PDA.

APPLICATIONS

Due to its rugged construction, proven reliability, and datalogging capability, the AquiStar® PT2X can be used to replace analog sensors with separate dataloggers. Units can be used to monitor groundwater, well, tank and tidal levels, as well as for pump testing and flow monitoring.



**INSTRUMENTATION
NORTHWEST, INC.**

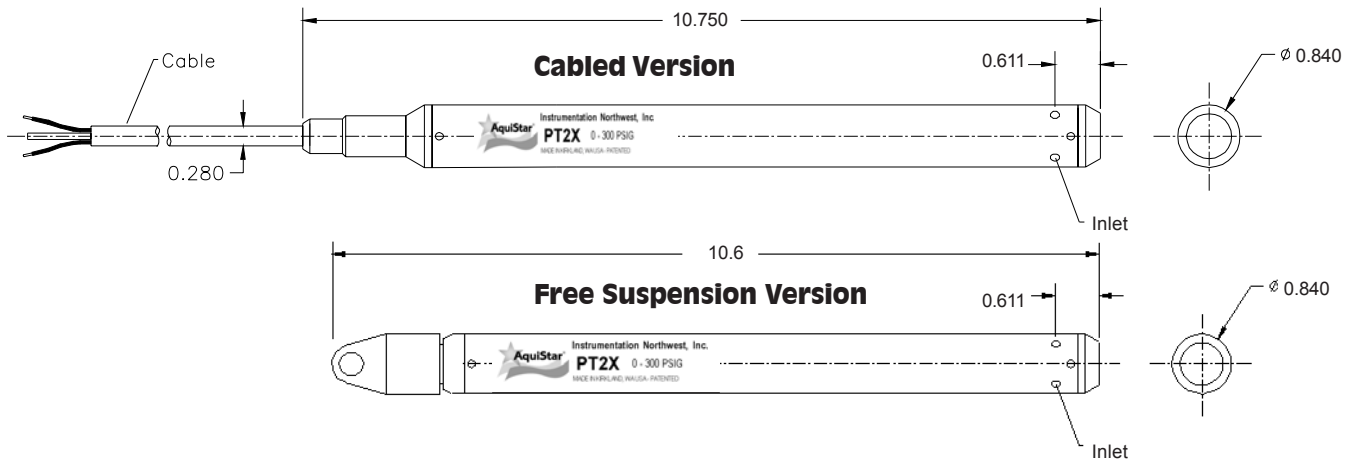
1-800-776-9355
<http://www.inwusa.com>



PT2X SUBMERSIBLE

PRESSURE/TEMPERATURE TRANSMITTER

DIMENSIONS AND SPECIFICATIONS



HOW TO ORDER

- Choose the transmitter with the required pressure range.
- Determine cable type and specify length.
- Contact INW for a full list of accessories.

PT2X PRESSURE RANGES			
3C351	5 PSIG	3C356	50 PSIA
3C352	15 PSIG	3C357	100 PSIG
3C353	30 PSIG	3C358	100 PSIA
3C354	30 PSIA	3C359	300 PSIG
3C355	50 PSIG	3C360	300 PSIA

PT2X CABLE OPTIONS	
6E540	Vented PU INW Label
6E543	Vented FEP INW Label
6E542	Vented HDPE
3B600	Free Suspension Topcap (no cable)

PT2X MISCELLANEOUS OPTIONS			
6E410	1/4" NPT adapter	3B835	Interface cable
6E517	Cable strain relief kit	6E520	200' capacity reel
6E475	Desiccant tube refill	6E525	500' capacity reel
3P902	2" well seal adaptor	6E530	1500' capacity reel
3P904	4" well seal adaptor	3B830	RS485/RS232 adaptor w/Aqua4Plus software

AQUA4PALM KIT - HANDHELD CONTROLLER	
6D150	Aqua4Palm Kit with Palm®
6D151	Aqua4Palm Kit w/o Palm®

Information in this document is subject to change without notice.

MECHANICAL

TRANSMITTER

Body Material	316 stainless steel
Wire Seal Materials	Viton® and Teflon®
Desiccant	High- and standard- capacity packs
Terminating Connector	Available
Weight	.80 lbs.

CABLE

OD	0.28" maximum
Break Strength	138 lbs.
Maximum Length	2000 feet
Weight	4 lbs. per 100 feet

ELECTRICAL

Pressure

Static Accuracy (B.F.S.L. 25° C)*	±0.1% FSO (maximum) ±0.06% FSO (typical) <i>0.06% available on request.</i>
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Temperature Error (reference 25° C)	±0.5% FSO (maximum) ±0.25% FSO (typical)
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Maximum Zero Offset at 25° C	±0.25% FSO
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Resolution	16 bit
Over Range Protection	2x (except 300 PSIA)

Temperature

Accuracy	±0.75° C (maximum)
Resolution	0.1° C

Time

Accuracy	±4 min/yr (maximum) ±2 min/yr (typical)
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Recommended Operating

Temperature Range	0° C to 40° C
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Contact factory for extended temperature ranges.



Sales and Service Locations

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