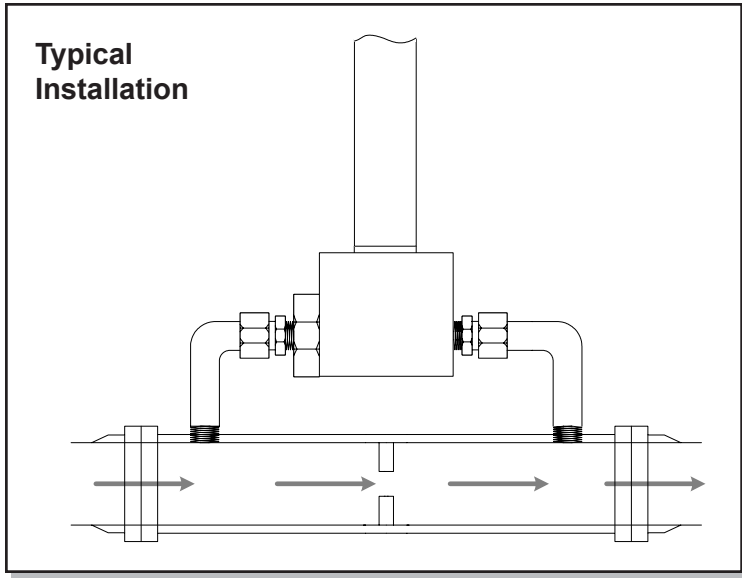




PT2X WET/WET DIFFERENTIAL SMART SENSOR WITH DATA LOGGING



FEATURES

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

DESCRIPTION

INW's AquiStar® PT2X Wet/Wet Differential Smart Sensor is a member of our patented AquiStar® smart sensor family, representing the latest in state-of-the-art pressure 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.

Containing two diaphragms, this sensor detects the difference between the pressure on the high side and the pressure on the low side. 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.

APPLICATIONS

Due to its rugged construction, proven reliability, and datalogging capability, the AquiStar® PT2X can be used to replace analog sensors with separate dataloggers. These sensors can be used for flow measurement, as well as in pressure equalization applications, in corrosive and liquid environments.



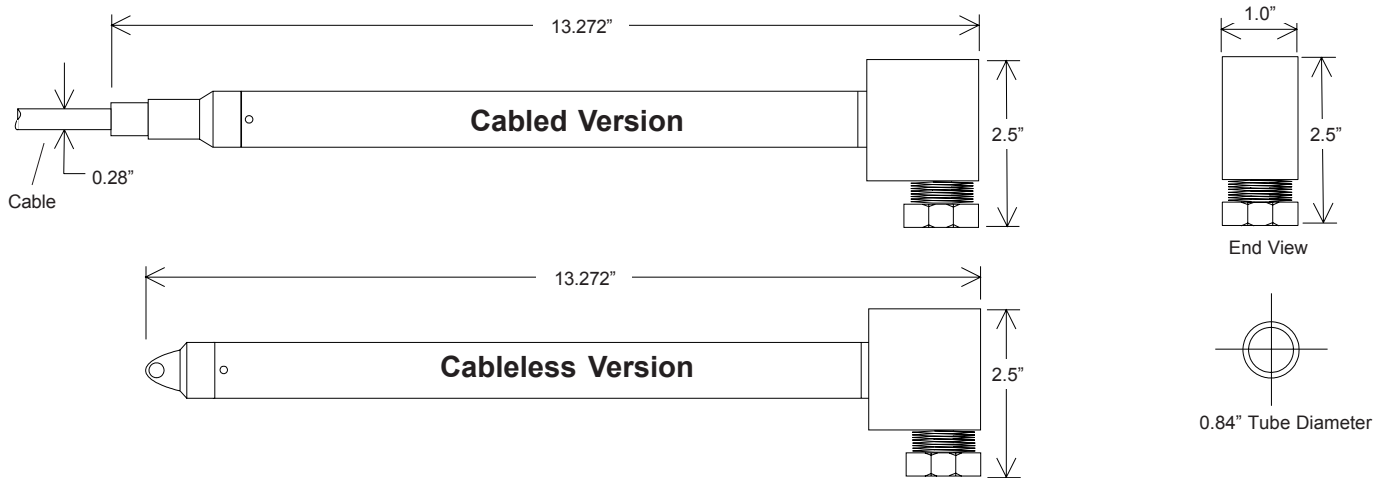
**Instrumentation
Northwest, Inc.**

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



PT2X WET/WET DIFFERENTIAL SMART SENSOR WITH DATA LOGGING

DIMENSIONS, SPECIFICATIONS, and ORDERING INFORMATION



ORDERING INFORMATION

PRESSURE RANGES			
3C401	15 PSID	3C404	100 PSID
3C402	30 PSID	3C405	300 PSID
3C403	50 PSID	3C406	500 PSID

CABLE OPTIONS	
6E540	Vented PU INW Label
6E543	Vented FEP INW Label
6E542	Vented HDPE

MISCELLANEOUS OPTIONS	
3B835	Interface cable
3B830	RS485/RS232 adaptor
3B847	Communication kit (RS485/RS232 adaptor, Interface cable, Aqua4Plus Software Media Kit)

Information in this document is subject to change without notice.

MECHANICAL

TRANSMITTER	
Body Material	316 stainless
Wire Seal Materials	Viton® and Teflon®
Desiccant	High- & 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) ± 0.06% available on request
Maximum Zero Offset at 25° C	± 0.25% FSO
Resolution	16 bit
Over Range Protection	5x
Common Mode Pressure	10x range or 1000 psi whichever is lower
Compensated Temp. Range	0° C to 40° C
Operating Temp. Range	-5° C to 70° C
Storage Temp. Range	-20° C to 100° C

Contact factory for extended temperature ranges.

Instrumentation Northwest, Inc.



Sales and Service Locations
 8902 122nd Avenue NE, Kirkland • Washington 98033 USA
 (425) 822-4434 • (425) 822-8384 FAX • info@inwusa.com
 4620 Northgate Boulevard, Suite 170 • Sacramento, California 95834
 (916) 922-2900 • (916) 648-7766 FAX • inws@inwusa.com

©2008 Instrumentation Northwest, Inc. All rights reserved. INW and AquiStar are registered trademarks of Instrumentation Northwest. MODBUS is a registered trademark of Schneider Electric. Teflon, Tefzel & Viton are registered trademarks of DuPont Company. Windows is a registered trademark of Microsoft Corp.

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