

# PS-9 SERIES

## PS98i SUBMERSIBLE PRESSURE TRANSMITTER (4-20 mA)

**Industry Standard 4-20 mA**

**Pressure Transmitter**

Rugged and Accurate with great  
Noise Immunity, Transient Protection,  
and Thermal Performance!

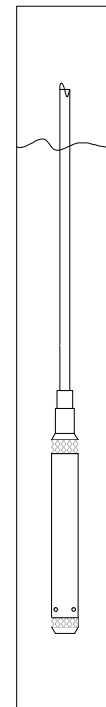
Great almost anywhere you need to measure  
pressure or level – whether it be in a lake, in a tank,  
or in a well.

### FEATURES

- Pressure, temperature
- Optional temperature channel
- Industry standard, 2-wire, 4-20 mA configuration
- Absolute, gauge, or sealed gauge
- $\pm 0.1\%$  FSO typical accuracy
- Low power (9 - 24 VDC)
- Small diameter (0.75")
- 316 SS, Viton, Teflon construction (titanium optional)
- Available with a variety of cable options - *polyethylene, polyurethane, or FEP Teflon*
- Reverse polarity protection
- Under- and over- current limitation
- Built-in transient protection
- 1/4" NPT end cone accessory kit available
- Optional lightning protection available
- Calibrated with patented calibration procedures and NIST traceable equipment

### APPLICATIONS

- Pump and slug tests
- River, stream, reservoir gauging
- Stormwater runoff monitoring
- Wetland monitoring
- Well, tank, tidal levels
- Flow monitoring
- Water resource management
- Landfill leachate levels
- Control applications



Typical Installation



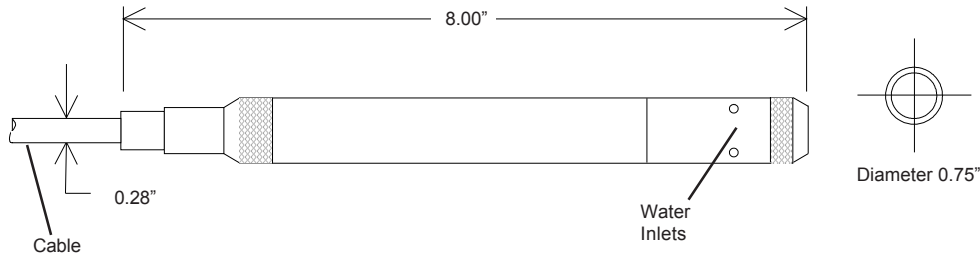
**Instrumentation  
Northwest, Inc.**

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

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### 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.

PS98i SUBMERSIBLE PRESSURE TRANSMITTER RANGES			
3C344T	1 PSIG	3C264T	50 PSIG
3C345T	2.5 PSIG	3C265T	50 PSIA
3C260T	5 PSIG	3C266T	100 PSIG
3C261T	15 PSIG	3C267T	100 PSIA
3C262T	30 PSIG	3C268T	300 PSIA
3C263T	30 PSIA	3C269T	300 PSIG

PS98i CABLE OPTIONS	
6E540	Vented PU INW Cable
6E543	Vented FEP INW Cable
6E542	Vented HDPE INW Cable

PS98i ACCESSORIES	
6E410	1/4" NPT adapter kit

Information in this document is subject to change without notice.

### MECHANICAL

#### TRANSMITTER

<b>Body Material</b>	316 stainless steel
<b>Wire Seal Materials</b>	Viton® and Teflon®
<b>Desiccant</b>	High- and standard-capacity packs available
<b>Terminating Connector</b>	Available
<b>Weight</b>	.75 lbs.

#### CABLE

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

### ELECTRICAL

#### PRESSURE

<b>Transmitter Voltage</b>	9-24 VDC 100 ms warmup
<b>Static Accuracy</b> (B.F.S.L. 25° C)*	±0.25% FSO (maximum) ±0.1% FSO (typical) <i>0.1% available on request.</i>
<b>Thermal Error</b> (0-50° C, reference 25° C)	±2.0% FSO (maximum) ±0.8% FSO (typical)
<b>Maximum Zero Offset at 25° C</b>	±0.5% FSO
<b>Sensitivity Accuracy at 25° C</b>	±0.25% FSO (maximum) ±0.125% FSO (typical)
<b>Over Range Protection</b>	2x (except 300 PSIA)
<b>Compensated Temperature Range</b>	0 - 50° C
<b>Operating Temperature Range</b>	-5° C to 70° C

## Instrumentation Northwest, Inc.



### Sales and Service Locations

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