

PS-9 SERIES

PS9800 SUBMERSIBLE PRESSURE TRANSMITTER (4-20 mA)

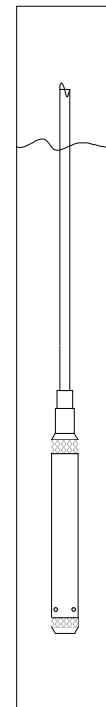
Industry Standard 4-20 mA Pressure Transmitter

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
- Thermally compensated - *great where water temperatures vary, such as in streams or in industrial tank applications*
- $\pm 0.06\%$ 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
- Thermally stable
 - 2% over 50 degrees standard
 - 0.2% over 40 degrees with enhanced calibration option
- 1/4" NPT end cone adapter option
- Optional lightning protection available
- Calibrated with patented calibration procedures and NIST traceable equipment



Typical Installation

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



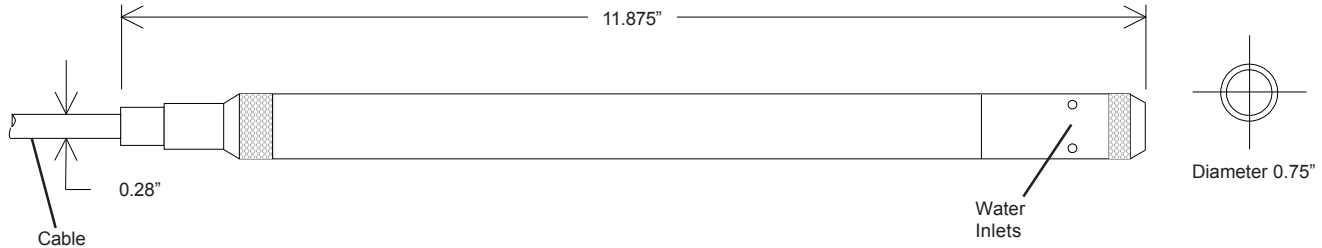
**Instrumentation
Northwest, Inc.**

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.
- Order options and accessories.
- Contact INW for a full list of accessories.

PS9800 SUBMERSIBLE PRESSURE TRANSMITTER RANGES			
3C340T	1 PSIG	3C255T	50 PSIG
3C341T	2.5 PSIG	3C256T	50 PSIA
3C251T	5 PSIG	3C257T	100 PSIG
3C252T	15 PSIG	3C258T	100 PSIA
3C253T	30 PSIG	3C250T	300 PSIG
3C254T	30 PSIA	3C259T	300 PSIA
PS9800 CABLE OPTIONS			
6E540	Polyurethane Cable		
6E542	Polyethylene cable		
6E543	FEP Teflon® Cable		
PS9800 MISCELLANEOUS OPTIONS			
3C280	Temperature Option	6E400	M6 Connector
3C282	Enhanced Temperature Calibration		

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 available
Terminating Connector	Available
Weight	.75 lbs.

CABLE

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

ELECTRICAL

PRESSURE

Transmitter Voltage	9-24 VDC
Static Accuracy (B.F.S.L. 25° C)*	±0.1% FSO (maximum) ±0.06% FSO (typical)
Thermal Error (0-50° C, reference 25° C)	±2.0% FSO (maximum) ±0.8% FSO (typical)
Maximum Zero Offset at 25° C	±0.5% FSO
Over Range Protection	2x (except 300 PSIA)

TEMPERATURE

Transmitter Voltage	9-24 VDC, 100 ms warm-up
Output Range	0-50° C >> 4-20 mA
Accuracy (100 ms warm-up)	±0.75° C (maximum) ±0.3° C (typical)
Temperature Range	0 - 50° C
Operating Temperature Range	-5° C to 70° C

Instrumentation Northwest, Inc.



Sales and Service Locations

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