

PTS Series

SUBMERSIBLE PRESSURE TRANSMITTER



Description

The PTS Submersible Pressure Transmitter is designed to withstand the harshest of industrial environments. This fully submersible transmitter is a reliable and economical method of obtaining readings with an accuracy level of 0.25%. The PTS features a moisture free, maintenance free vent filter that protects the vent from moisture and foreign object intrusion. Also, the surge protection circuit provides an additional level of protection from electrical surges caused by electrostatic discharge and lightening to help ensure that your systems keep running. Winters can calibrate the PTS to have an accuracy reading of 0.1% on customized orders. The PTS is available in ranges up to 0-500 psi and can be fit to accommodate a specific application. Various cable lengths are, also, available. The PTS Series is CE approved.

Submersible transmitters are commonly utilized in water and depth measurements, waste water treatment, irrigation systems, mining and environmental monitoring.



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How to Order: Specify product code
PRODUCT CODES

Submersible Transmitter	
Range	Code
0-3 psi (83.1 in/H ₂ O)	PTS3
0-5 psi (138.4 in/H ₂ O)	PTS5
0-10 psi (276.8 in/H ₂ O)	PTS10
0-15 psi	PTS15
0-30 psi	PTS30
0-50 psi	PTS50
0-100 psi	PTS100
0-150 psi	PTS150
0-200 psi	PTS200
0-300 psi	PTS300
0-500 psi	PTS500
Other	PTS-OR

* Calibrated in psi only.
Other ranges (e.g. ft of H₂O) available upon request

Other outputs & options available

Specifications	
Electrical Output Signal:	4-20 mA, 2 wire
Electrical Connector:	10 ft (3 meters) submersible cable standard, up to 1000 ft (303m) lengths available, (7/16 diameter cable)
Excitation Voltage:	8-38 Vdc
Protection:	Submersible (IP68)
Wetted Parts / Connection:	316L stainless steel, with 7/16-20 UNF (M) 316L stainless steel with polyester cap (sludge-nose optional)
Housing:	316L stainless steel
Proof Pressure:	2X full scale
Burst Pressure:	5X full scale
Accuracy:	0.25% full scale (0.1% available)
Normal Operating Temp. Range:	-40°F to 170°F (-40°C to 76°C)
Compensated Temp. Range:	-40°F to 170°F (-40°C to 76°C)
Thermal Shock Effect:	Less than ± 1.5% FSO per 100°F (37.7°C)
Ambient Temp. Effect on Zero/Span:	Less than ± 1.5% FSO per 100°F (37.7°C)
Response Time:	Less than or equal to 50mS
Long Term Stability:	Less than ± 0.25%
Zero/Span:	Optional
Weight:	12 oz. (340g)

