

PTE Series

PRESSURE TRANSMITTER



CE

Description

The PTE Series Pressure Transmitter is a lightweight stainless steel, compact unit, which is suitable for all-hydraulic, pneumatic, level and industrial applications requiring a rugged, versatile and economical transmitter.

PTE Series Transmitters are CE approved.

The PTE Series is very accurate and available in all standard ranges including in/H₂O. The PTE Series is calibrated in psi but available in various other ranges including bar, kPa, etc.

The PTE Series Transmitter can be customized to accommodate your application.

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Specifications

Electrical Output:	4-20mA, 2 wire (other outputs available)
Electrical Connection:	2ft (.6m) multi-conductor cable (flying wire)
Excitation Voltage:	9 to 30 Vdc
Product Approvals:	CE
EMI / EFI Protection:	Meets or exceeds CE requirements
Pressure Port Connection:	1/4" NPT male standard (7/16 SAE-M, 1/8" NPTM available)
Wetted Parts / Connection:	17-4 PH Stainless steel
Housing: Protection:	Stainless steel/Valox® IP65
Proof Pressure:	Refer to pressure range chart
Burst Pressure:	Refer to pressure range chart on next page.
Normal Operating Temp. Range:	-40°F to 260°F (-40°C to 125°C)
Compensated Temp. Performance:	4°F to 212°F (-15°C to 100°C)
Ambient Temp. Effect on Zero:	± 2% of FS / 100°F (37.7°C)
Response Time:	Less than or equal to 5 milliseconds
Accuracy:	± 0.25% FSO (± 0.1% available)
Non-Repeatability:	± 0.05% FSO
Hysteresis:	± 0.10% FSO
Long Term Stability:	0.5% FSO per annum
Weight:	2.3 oz (65.21 grams)



PTE Series

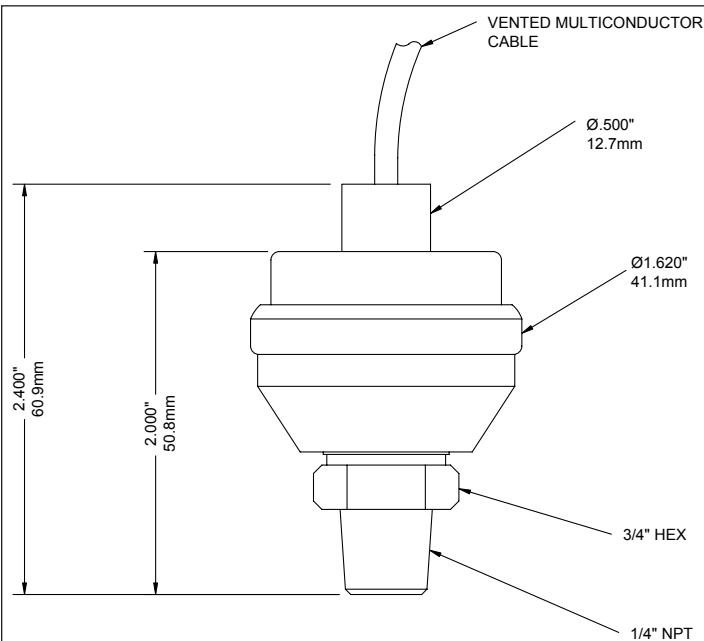
PRESSURE TRANSMITTER

How to order: Specify product code
PRODUCT CODES

Range	Code
0-1 psi (27.7 in/H2O)	PTE1
0-2 psi (55.4 in/H2O)	PTE2
0-5 psi (138.4 in/H2O)	PTE5
0-10 psi (276.8 in/H2O)	PTE10
0-15 psi	PTE15
0-30 psi	PTE30
0-50 psi	PTE50
0-100 psi	PTE100
0-150 psi	PTE150
0-200 psi	PTE200
0-500 psi	PTE500
0-1000 psi	PTE1000
0-3000 psi	PTE3000
0-5000 psi	PTE5000
0-10000 psi	PTE10000

Other ranges (e.g. bar, etc.) available upon request

Pressure Ranges		
Gauge psig	Proof Pressure psig	Burst Pressure psig
0-50	100	750
0-100	200	1000
0-200	500	2000
0-500	1000	3000
0-1000	2000	5000
0-3000	4500	7500
0-5000	7500	10000
0-10000	12500	20000

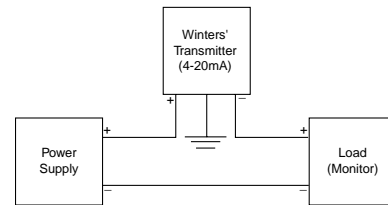


- Red = +Excitation; connect to appropriate power supply.
- Green = +Output; connect to controls or monitor.
- Black = Common; connect to return of power supply.
- White = -Output; connect to controls or monitor
- Shielding = Connect to system or earth ground.

Current Output Units

The Winters PTE transmitter is a true 2-wire, 4-20 mA current output device and delivers rated current into any external load of 0-800 ohms. The PTE has a 2-wire cable where red is positive and black is negative.

The 4-20 mA current output units are designed to have current flow in one direction only - PLEASE OBSERVE POLARITY. We suggest that the electrical cable shield be connected to the system's loop circuit ground to improve electrical noise rejection.



Voltage Output Units

The PTE voltage output is a 3-wire circuit. If the PT is supplied with 2 feet of cable, the electrical connection is as follows:

