

2-WIRE TRANSMITTER FOR USE WITH OMEGA® PRESSURE TRANSDUCERS

CONVERTS mV, V, OR mA INPUT TO 4 TO 20 mA OUTPUT

PXTX-703



All Models
\$440

- ✓ Provides 1000 V Input-to-Output Isolation
- ✓ 16 Switch-Selectable Input Ranges
- ✓ 80% Zero and Span Adjustability Within Each Input Range
- ✓ 100 ms Response Time
- ✓ Rugged, EMI/RFI Shielded Housing

SPECIFICATIONS

Input Span: 16 ranges, switch selectable (see range chart)

Note: Bipolar span selection will move the unipolar range to reflect negative offset (20 mA = ±10 mA)

Input Impedance:

- Ranges 1 to 4: 5 MΩ, typical
- Ranges 5 to 12: >200 kΩ
- Ranges 13 to 16: 20 Ω, typical

Supply Voltage Range: 13 to 80 Vdc

Minimum Output Current: 3.3 mA, typical

Maximum Output Current: 24 mA, typical

Output Span (Fixed): 4 to 20 mA

Maximum Change in Supply Voltage Effect: 0.05% of span

Maximum Change in Load Effect: 0.05% of span

Loop Voltage Drop: 13 Vdc @ 20 mA

Output Current Limiting:

Active: 27 mA; fused (fixed): 0.25 A

Stability:

Zero: ±0.02% of span/°C max (±0.05%, bipolar)

Span: ±0.03% of span/°C max

Accuracy: Overall (includes best straight line, linearity, hysteresis and repeatability @ 25°C) ±0.2% of any adjusted span, max

Linearity: ±0.1% of range

Hysteresis and Repeatability: ±0.05% of range

Zero Adjustability:

80% turn-up of span (max)

Span Adjustability: 80% turn-down of full scale range (see range chart)

Response Time (63% Response): 100 ms, max

Output Ripple: 0.1% of span, rms, typical 0.5%, max



PXTX-703, \$440, shown actual size.

Normal-Mode Rejection: 16 dB @ 60 Hz

Common-Mode Rejection: 60 Hz: 80 dB; DC: 120 dB

Common-Mode Range: 60 Hz: 1000 Vrms; DC: 1000 Vdc

RFI Effect (1.5 W, 470 MHz at 1.7'): <1% of span error

Isolation: 1000 Vrms maximum input to output, input to case, output to case

Temperature Range: -40 to 80°C (-40 to 176°F)

Weight: 265 g (0.58 lb)

16 Switch-Selectable Ranges

Input Range	Input Limits	Minimum Span
1	0 to 100 mV	20 mV
2	0 to 200 mV	40 mV
3	0 to 316 mV	65 mV
4	0 to 632 mV	130 mV
5	0 to 1.78 V	360 mV
6	0 to 3.56 V	710 mV
7	0 to 5.62 V	1.2 V
8	0 to 11.2 V	2.3 V
9	0 to 31.6 V	6.4 V
10	0 to 63 V	12.6 V
11	0 to 100 V	20 V
12	0 to 200 V	40 V
13	0 to 20 mA	4 mA
14	4 to 20 mA	3.2 mA
15	0 to 50 mA	10 mA
16	0 to 5 mA	1 mA



HEP-TX, explosion-resistant housing, \$80.

TX70-RM, mounting ring for HEP-TX, \$50.

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
PXTX-703	\$440	Two-wire transmitter, 16 switch-selectable input ranges
HEP-TX	80	Explosion-resistant housing (requires TX70-RM mounting ring)
TX70-RM	50	Mounting ring for HEP-PX head

Comes with operator's manual.

Ordering Example: PXTX-703, 2-wire transmitter, HEP-TX, explosion-resistant housing, TX70-RM, mounting ring, \$440 + 80 + 50 = \$570.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
EE-2584	\$230	Reference Book: Process Plant Instrumentation

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters