

FLUSH DIAPHRAGM TRANSMITTER

STAINLESS STEEL WETTED PARTS

MOUNTING FITTINGS AVAILABLE

4 to 20 mA Output
0-15 to 0-20,000 psi
0-1 to 0-1300 bar

1 bar = 14.5 psi
 1 kg/cm² = 14.22 psi
 1 atmosphere = 14.7 psi = 29.93 inHg = 760.2 mmHg = 1.014 bar

PX103-i Series



CURRENT OUTPUT
PRESSURE TRANSDUCERS
B

- ✓ All Stainless Steel
- ✓ Low-Noise 4 to 20 mA Output
- ✓ Flush Diaphragm for Hard-to-Measure Fluids
- ✓ Ideal for Tank and Level Applications

TRODEKS's PX103 Series transmitters feature a rugged all stainless steel case and a high-reliability, low-noise 4 to 20 mA output. They are designed for use in critical applications in wastewater management, chemical manufacturing, water processing, tank and level operations, and other industrial applications in which a non-plugging flush diaphragm is needed.

SPECIFICATIONS

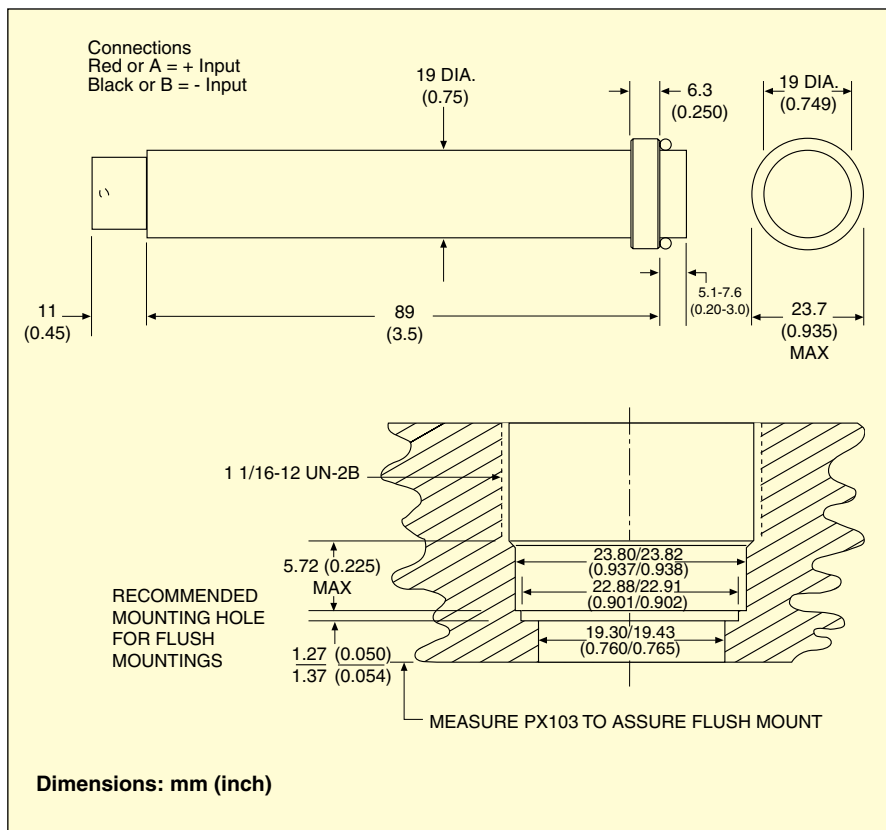
Excitation: 10 to 40 Vdc

Output: 4 to 20 mA

Zero Balance: 4 mA \pm 0.2 mA

Accuracy:

<100 psi: \pm 1% linearity, hysteresis and repeatability combined
 \geq 100 psi: \pm 0.5% linearity, hysteresis and repeatability combined



Operating Temp Range:

<100 psi: -40 to 82°C (-40 to 180°F)
 \geq 100 psi: -46 to 121°C (-50 to 250°F)

Compensated Temp Range:

<100 psi: -1 to 54°C (30 to 130°F)
 \geq 100 psi: -18 to 66°C (0 to 150°F)

FLUSH DIAPHRAGM TRANSMITTER

Thermal Effects:

<100 psi:

Span: $\pm 2\%$ within compensated range

Zero: $\pm 1\%$ within compensated range

≥ 100 psi:

Span: 0.003% rdg/°F

Zero: 0.0045% FS/°F

Proof Pressure:

<100 psi: 200% of rated pressure

≥ 100 psi: 150% of rated pressure, 30,000 psi maximum

Burst Pressure:

<100 psi: 500% of rated pressure

≥ 100 psi: 300% of rated pressure, 50,000 psi maximum

Wetted Parts:

Ranges <100 psi: 316 SS

Ranges ≥ 100 psi: 17-4 PH SS

O-Ring: Not included #2-018

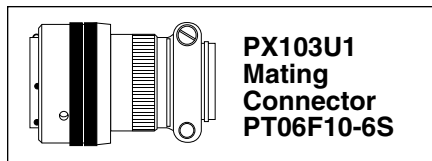
Electrical Connection:

PTIH-10-6P or equal or 3 m (10')

2-conductor shielded PVC cable

Mating Connector:

PT06F10-6S (sold separately)



**PX103U1
Mating
Connector
PT06F10-6S**

ACCESSORY

MODEL NO.	DESCRIPTION
PT06F10-6S	Mating connector for PX103U1 Series

To Order

RANGE		MODEL NO.	COMPATIBLE METERS**
ABSOLUTE PRESSURE (All Ranges Available in Absolute Pressure)			
0 to 15 psi	0 to 1 bar	PX103U[*]-015AI	DP41-E, DP25B-E, DP24-E
0 to 25 psi	0 to 1.7 bar	PX103U[*]-025AI	DP41-E, DP25B-E, DP24-E
0 to 50 psi	0 to 3.4 bar	PX103U[*]-050AI	DP41-E, DP25B-E, DP24-E
GAGE PRESSURE (All Ranges Also Available in Sealed Gage Pressure)			
0 to 15 psi	0 to 1 bar	PX103U[*]-015GI	DP41-E, DP25B-E, DP24-E
0 to 25 psi	0 to 1.7 bar	PX103U[*]-025GI	DP41-E, DP25B-E, DP24-E
0 to 50 psi	0 to 3.4 bar	PX103U[*]-050GI	DP41-E, DP25B-E, DP24-E
0 to 100 psi	0 to 6.9 bar	PX103U[*]-100GI	DP41-E, DP25B-E, DP24-E
0 to 200 psi	0 to 13.8 bar	PX103U[*]-200GI	DP41-E, DP25B-E, DP24-E
0 to 500 psi	0 to 34.5 bar	PX103U[*]-500GI	DP41-E, DP25B-E, DP24-E
0 to 1000 psi	0 to 68.9 bar	PX103U[*]-1KGI	DP41-E, DP25B-E, DP24-E
0 to 2000 psi	0 to 138 bar	PX103U[*]-2KGI	DP41-E, DP25B-E, DP24-E
0 to 3000 psi	0 to 207 bar	PX103U[*]-3KGI	DP41-E, DP25B-E, DP24-E
0 to 5000 psi	0 to 345 bar	PX103U[*]-5KGI	DP41-E, DP25B-E, DP24-E
0 to 10,000 psi	0 to 689 bar	PX103U[*]-10KGI	DP41-E, DP25B-E, DP24-E
0 to 15,000 psi	0 to 1034 bar	PX103U[*]-15KGI	DP41-E, DP25B-E*, DP24-E
0 to 20,000 psi	0 to 1379 bar	PX103U[*]-20KGI	DP41-E, DP25B-E*, DP24-E

Comes complete with 5-point NIST traceable calibration.

Metric ranges available – consult Engineering.

* 4-digit meter, counts in increments of 10.

** Visit us online for compatible meters.

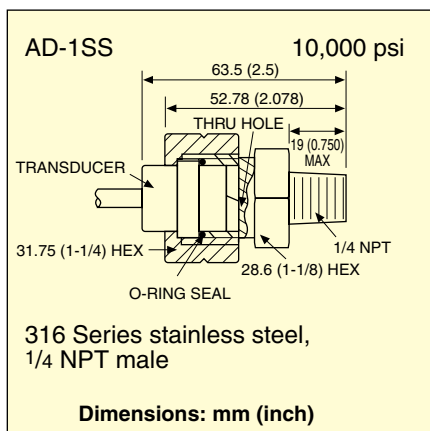
[*] To order cable style insert "0" into model number; to order connector style insert "1".

To order absolute pressure ranges, replace "G" in model number with "A" and add additional cost.

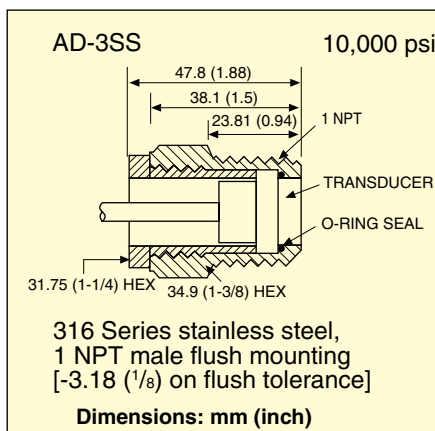
To order sealed gage pressure models, replace "G" in model number with "S" (no extra charge). To order extra lead length [3 m (10') standard], add suffix "-(Length of cable in feet)" and additional cost for each foot beyond 10'.

Ordering Example: PX103U1-100GI, 100 psi gage pressure, connector style transducer PT06F10-6S, mating connector (sold separately).

Flush Mount Adaptors for PX103 Series Transducers



O-Ring Provided with Each Adaptor



"O" RINGS FKM or Polyurethane

Use for pressures under
10,000 psi:
#2-018-V

FKM. Pack of 10

Use for pressures of
10,000 psi and higher:
#2-018-P

POLYURETHANE Pack of 15