

SANITARY FLANGE TRANSDUCERS

50.8 mm (2") TRI-CLOVER STYLE

HIGH TEMPERATURE



PX22
\$705
 Model Shown

PX22 Series

4-20 mA Output
0-10 to 1,000 psi
0-800 mbar to 70 bar

1 bar = 14.5 psi
 1 kg/cm² = 14.22 psi
 1 Atmosphere = 14.7 psi = 29.93 in-Hg = 760.2 mm-Hg = 1.014 bar

- ✓ FM Approved Intrinsically Safe
- ✓ All Stainless Steel Construction
- ✓ High Temperature Operation 121°C (250°F)
- ✓ Hermetically Sealed for Harsh Environments
- ✓ Available in Gage, Sealed Gage or Absolute Pressure Models
- ✓ Also Available with 38.1 mm (1½") and 19.05 mm (¾") Tri-Clover Fitting

OMEGA's PX22 Series is a rugged, 2" Tri-Clover transducer for use in sanitary, pharmaceutical and food processing applications. The PX22 with 4-20 mA output has very high operating temperature ratings making it ideal for use in industrial and processing applications. The hermetically sealed case and all stainless steel construction makes it suitable for the harshest wet environments.

The PX22 is available in gage, sealed gage, or absolute models. A Bendix style connector is standard.



Model PX22U1-100SI
 Shown Smaller
 than Actual Size

To Order (Specify Model Number)

RANGE (psi)	MODEL NO.	PRICE	COMPATIBLE METERS
Absolute Pressure (All Ranges Available in Absolute Pressure)			
0 to 10	PX22U1-010AI	\$705	DP41-E, DP25-E, DP24-E
0 to 15	PX22U1-015AI	705	DP41-E, DP25-E, DP24-E
0 to 20	PX22U1-020AI	705	DP41-E, DP25-E, DP24-E
0 to 25	PX22U1-025AI	705	DP41-E, DP25-E, DP24-E
0 to 30	PX22U1-030AI	705	DP41-E, DP25-E, DP24-E
0 to 50	PX22U1-050AI	705	DP41-E, DP25-E, DP24-E
Sealed Gage Pressure (All Ranges Also Available in Gage Pressure)			
0 to 10	PX22U1-010SI	705	DP41-E, DP25-E, DP24-E
0 to 15	PX22U1-015SI	705	DP41-E, DP25-E, DP24-E
0 to 20	PX22U1-020SI	705	DP41-E, DP25-E, DP24-E
0 to 25	PX22U1-025SI	705	DP41-E, DP25-E, DP24-E
0 to 50	PX22U1-050SI	705	DP41-E, DP25-E, DP24-E
0 to 75	PX22U1-075SI	705	DP41-E, DP25-E, DP24-E
0 to 100	PX22U1-100SI	705	DP41-E, DP25-E, DP24-E
0 to 200	PX22U1-200SI	705	DP41-E, DP25-E, DP24-E
0 to 300	PX22U1-300SI	705	DP41-E, DP25-E, DP24-E
0 to 500	PX22U1-500SI	705	DP41-E, DP25-E, DP24-E
0 to 750	PX22U1-750SI	705	DP41-E, DP25-E, DP24-E
0 to 1,000	PX22U1-1KSI	705	DP41-E, DP25-E, DP24-E

Metric Ranges Available - Consult Engineering

To order Gage Pressure replace the "S" in the model number with a "G".
 To order Absolute Pressure replace the "S" in the model number with a "A".

Ordering Examples:

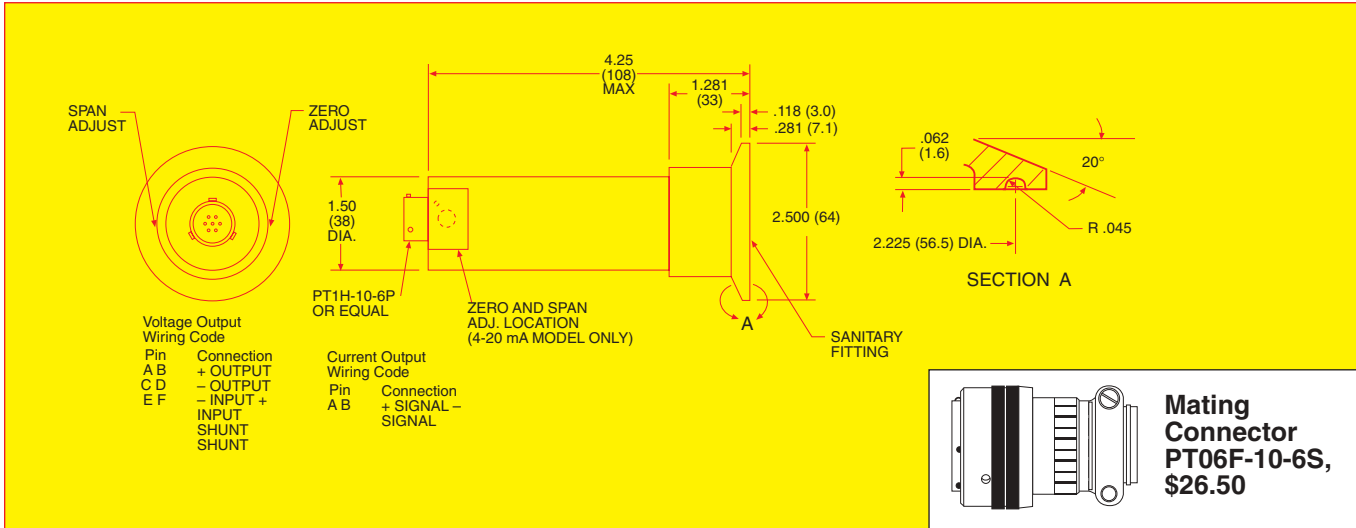
- 1.) PX22U1-30GI is a 30 psi Gage Pressure model with 4-20 mA output, \$705.
- 2.) PX22U1-025AI is a 25 psi Absolute Pressure model with 4-20 mA output, \$705.

SANITARY FLANGE TRANSDUCERS

Easy to take apart and clean in sanitary applications



CURRENT OUTPUT
PRESSURE TRANSDUCERS
B



SPECIFICATIONS:

4-20 mA OUTPUT

Excitation: 10-40 Vdc

Output: 4-20 mA ±10% adg

Zero Balance: 4 mA +10% -2% adj

Agency Approvals:

FM Intrinsically safe
 IS/I.II.III/1/CDEFG

Linearity: ±0.15% of FS

Hysteresis: ±0.05% of FS

Repeatability: ±0.05% of FS

Operational Temp Range:

-46 to +121°C (-50 to +250°F)

Compensated Temp Range:

+17 to +93°C (+70 to +200°F)

Thermal Effects:

Span: 0.003% Rdg/°F

Zero: 0025% FS/°F

Proof Pressure:

150% of rated pressure

Burst Pressure:

300% of rated pressure

Wetted Parts: 316 Stainless Steel

Pressure Port: 50.8 mm (2") Tri-clover fitting

Electrical Connection:

PH1H-10-6P (or equal)

Optional:

10 ft (3m) 2-conductor PVC cable

Mating Connector:

PT06F-10-6S (not included)

THE OMEGA® TRI-CLOVER SERIES TRANSDUCERS



PX22 - 50.8 mm (2") Fitting



PX21 - 38.1 mm (1 1/2") Fitting



PX23 - 10.05 mm (3/4") Fitting



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

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Laval(Quebec)
1-800-TC-OMEGA

GERMANY

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• 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