

# ECONOMICAL BAROMETRIC PRESSURE TRANSDUCER

## PX2760 Series

All Models  
**\$395**



- ✓ Rugged Capacitive Design
- ✓ Excellent Long-Term Stability
- ✓ Fast Response Time
- ✓ Small Size
- ✓ Integral Mounting Bracket
- ✓ Instant Warm-Up

OMEGA's PX2760 Series barometric pressure transducers use a capacitive sensor that has excellent thermal stability and low hysteresis. The signal is processed through a custom ASIC, ensuring long-term reliability and accuracy. The amplified 0.1 to 5.1 Vdc output makes these transducers compatible with most process controllers and computer interface equipment and is virtually immune to EMI and RFI.

### SPECIFICATIONS

**Excitation:** 12 Vdc (9 to 14.5 Vdc max)

**Power Consumption:** <0.2 W

**Output Impedance:** <5  $\Omega$

**Output:** 0.1 to 5.1 Vdc, 3-wire

**Accuracy:**  $\pm 0.25\%$  span RSS at constant temperature (includes linearity, repeatability and hysteresis)

**Resolution:** Infinite, limited only by noise level (0.005% FS)

**Response Time:** <10 ms to reach 90%

**Long-Term Stability:**  $\pm 0.25\%$  FS over 6 months @ 70°F

**Operating Temperature Range:** -20 to 80°C (-4 to 176°F)

**Compensated Temperature Range:** 0 to 55°C (32 to 131°F)

**Storage Temperature:** -55 to 120°C (-67 to 248°F)

**Thermal Zero Effect:**  $\pm 0.01\%/^{\circ}\text{F}$  span

**Thermal Span Effect:**  $\pm 0.01\%/^{\circ}\text{F}$  span

PX2760-600A5V, \$395, shown smaller than actual size.



### Pressure Ratings:

Range	Max Pressure
600 to 1100 mbar (450 to 825 mmHg)	20 psia
800 to 1100 mbar (600 to 825 mmHg)	20 psia
0 to 20 (0 to 1034 mmHg)	30 psia

**Sensor:** Capacitive

**Shock:** 50 g operating, 1/2 sine 10 ms

**Vibration:** 2 g from 5 to 500 Hz

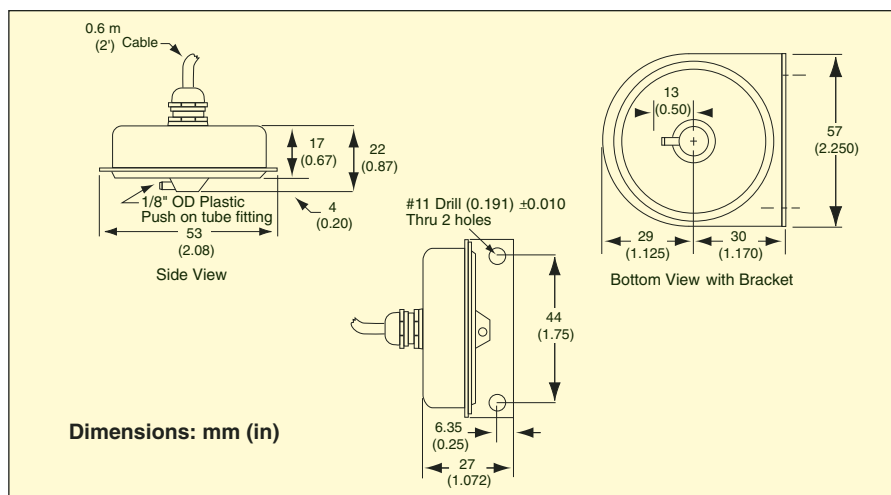
**Acceleration:** 10 g maximum

**Media:** Dry or non-condensing gases compatible with wetted parts

**Wetted Parts:** Stainless steel, alumina, gold and elastomer

**Pressure Port:** 1/8" tube fitting

**Electrical Connection:** 0.6 m (2') cable



**AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

RANGE (Absolute Pres)	MODEL NO.	PRICE	COMPATIBLE METERS
600 to 1100 mbar	PX2760-600A5V	\$395	DP41-E, DP25B-E, DP-3002E
800 to 1100 mbar	PX2760-800A5V	395	DP41-E, DP25B-E, DP-3002E
0 to 20 psia	PX2760-20A5V	395	DP41-E, DP25B-E, DP-3002E

All models come complete with operator's manual.

**Ordering Example:** PX2760-600A5V, barometric range pressure transducer, 600 to 1100 mbar absolute, with voltage output, \$395.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ES-2160	\$125	Reference Book: Air Quality Compliance





## UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

## CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

## GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany  
0800-8266342

## UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488

## FRANCE

[www.omega.fr](http://www.omega.fr)

Guyancourt, France  
088-466-342

## CZECH REPUBLIC

[www.omegaeng.cz](http://www.omegaeng.cz)

Karviná, Czech Republic  
596-311-899

## BENELUX

[www.omega.nl](http://www.omega.nl)

Amstelveen, NL  
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### • Flow and Level

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### • Pressure, Strain and Force

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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