

# INDUSTRIAL PRESSURE TRANSMITTER WITH ADJUSTABLE SPAN AND ZERO

## PX762 Series

All Models  
**\$460**



PX762-1.5K, \$460,  
shown smaller  
than actual size.



- ✓ 10:1 Turndown
- ✓ Zero Elevation or Suppression
- ✓ Pushbutton Zero and Span Adjustment
- ✓ Adjustable Damping
- ✓ Built-In LCD
- ✓ CE Approved
- ✓ ATEX Intrinsically Safe

The PX762 is an industrial-grade, microprocessor-based pressure transmitter with a 2-wire 4 to 20 mA output. The built-in 4-digit LCD indicator can display the measured pressure in bar, psi, or percent of full scale. Parameters such as span, zero, and damping can be adjusted with the 2 pushbuttons on the digital display.

### SPECIFICATIONS

**Excitation:** 11.5 to 30 Vdc

**Power Supply Effect:** Negligible between 11.5 and 30 Vdc

#### Relation Between Supply Voltage:

17 Vdc	250 $\Omega$ max
24 Vdc	576 $\Omega$ max
30 Vdc	844 $\Omega$ max

**Output:** 4 to 20 mA (2 wire)

**Accuracy:**  $\pm 0.21\%$  of nominal range

**Linearity:**  $\pm 0.15\%$  of nominal range

**Repeatability:**  $\pm 0.1\%$  of nominal range

**Hysteresis:**  $\pm 0.1\%$  of nominal range

**Zero Adjustment:** By pushbuttons

**Span Adjustment:** By pushbuttons

#### Operating Temperature:

**Electrical:** -20 to 80°C (-4 to 176°F)  
**Process Fluid:** -20 to 80°C  
(-4 to 176°F)

**Storage Temperature:** -20 to 90°C  
(-4 to 194°F)

#### Temperature Effect (% of Nominal Range):

**Zero:**  $\pm 0.01\%/\text{°C}$  (0.006%/ $^{\circ}\text{F}$ )  
**Span:**  $\pm 0.01\%/\text{°C}$  (0.006%/ $^{\circ}\text{F}$ )

**Relative Humidity:** 0 to 100%  
**Digital Display:** 4-digit LCD, 5 symbols (bar, mbar, psi, %, s)  
**Housing:** Epoxy-coated cast aluminum alloy  
**Covers:** Reinforced technopolymers  
**Cover O-Ring:** Buna-N  
**Wetted Parts:** Aluminum oxide, 316 SS, FKM  
**Environmental Protection:** IP66  
**Agency Approvals:** Group II, class 1G, zone 0, 1, 2 – EN60079-10; EC type-examination certificate CESI 03 ATEX 208

#### Power Supply Parameters:

$$\begin{aligned} U_i &= 30 \text{ Vdc} \\ I_i &= 152 \text{ mA} \\ P_i &= 0.95 \text{ W} \\ L_i &= 135 \text{ m H} \\ C_i &= 10 \text{ nF} \end{aligned}$$

**CE Compliance:** Conforms to EN 50081-2 in accordance with EN 50082-2 89/336/EEC

**Process Connection:**  $\frac{1}{2}$  MNPT

**Electrical Connections:** Screw terminals with two  $\frac{1}{2}$  NPT conduit ports

**Weight:** 0.85 kg (1.9 lb)

Recommended Reference Book:

Plant Design for Safety,

**CM-4363, \$100.**

See Section Y

For Additional Books



### MOST POPULAR MODELS HIGHLIGHTED!

#### To Order (Specify Model Number)

MODEL NO.	PRICE	CALIBRATED RANGE (psi)	NOMINAL RANGE (bar)	COMPATIBLE METERS*
<b>GAGE PRESSURE</b>				
PX762-030GI	\$460	0 to 30	0 to 2	DP24-E, DP25B-E, DP41-E, iSeries
PX762-075GI	460	0 to 75	0 to 5	DP24-E, DP25B-E, DP41-E, iSeries
PX762-150GI	460	0 to 150	0 to 10	DP24-E, DP25B-E, DP41-E, iSeries
PX762-300GI	460	0 to 300	0 to 20	DP24-E, DP25B-E, DP41-E, iSeries
PX762-750GI	460	0 to 750	0 to 50	DP24-E, DP25B-E, DP41-E, iSeries
PX762-1.5KGI	460	0 to 1500	0 to 100	DP24-E, DP25B-E, DP41-E, iSeries
PX762-3KGI	460	0 to 3000	0 to 200	DP24-E, DP25B-E, DP41-E, iSeries
PX762-6KGI	460	0 to 6000	0 to 400	DP24-E, DP25B-E, DP41-E, iSeries
<b>ABSOLUTE PRESSURE</b>				
PX762-030AI	\$495	0 to 30	0 to 2	DP24-E, DP25B-E, DP41-E, iSeries
PX762-075AI	495	0 to 75	0 to 5	DP24-E, DP25B-E, DP41-E, iSeries
PX762-150AI	495	0 to 150	0 to 10	DP24-E, DP25B-E, DP41-E, iSeries

Comes complete with operator's manual.

\* See section D for compatible meters.

**Ordering Example:** PX762-150GI, 0 to 150 psi gage pressure transducer, \$460.



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[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  
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+44-(0)161-777-6611

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