



SILICON ON SAPPHIRE PRESSURE TRANSMITTER OUTSTANDING PERFORMANCE AND STABILITY

PXM4202 Series Vacuum to 1000 BAR 5 V Output

- ✓ Silicon on Sapphire Construction
- ✓ Titanium Wetted Parts for Media Compatibility
- ✓ 0.25% Accuracy
- ✓ 5 V Output is Compatible with Most PLC's and Control Systems
- ✓ High Operating Temperature
- ✓ IP65 Enclosure

OMEGA's PXM4202 Series Transmitters bring state-of-the-art Silicon-on-Sapphire (SOS) sensor technology to the industrial arena. SOS construction uses very stable solid state silicon strain gages on a Sapphire carrier which is glass bonded to a titanium diaphragm. This combination provides a very durable transducer which has excellent stability over a wide temperature range. Additionally, the all titanium wetted parts provide maximum corrosion resistance to harsh industrial chemicals.

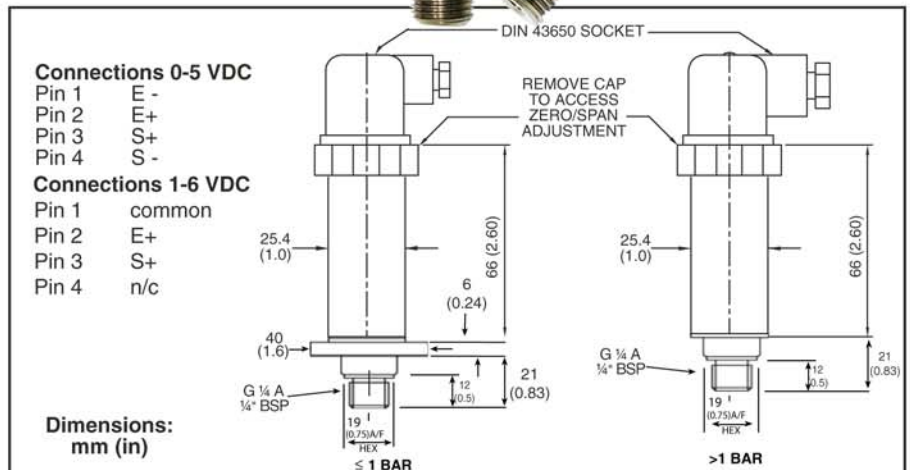
SPECIFICATIONS

Excitation: 13 to 30 Vdc @ 10 mA reverse polarity protected
Supply Effects: 1 mV/V
Output: 0 to 5 Vdc
Zero Offset: ±2%
Load Driving Capacity: 2.5 kΩ
Accuracy: ±0.25% FS includes Linearity, and Hysteresis
Repeatability: ±0.1% FS
Long Term Stability: ± 0.2% FS (1 year)
Media Temperature: -58 to 248°F (-50 to 120°C)
Ambient Temperature: -40 to 175°F (-40 to 80°C)
Thermal Zero Effect: <±0.016% FS/°F
Thermal Span Effect: <±0.016% FS/°F
Maximum Overpressure: 200% FS
Sensor: Silicon on Sapphire
Wetted Parts: Titanium
Case Material: Stainless Steel, IP65
Pressure Port: G ¼ A (¼" BSP) male
Electrical Connection: Din 43650 Plug Mating Connector Supplied
Response Time: 10 ms
Weight: 3.2 oz (90 g)

From
£145
 PXM4202



PXM4202-250BG5V, £145
 shown smaller than actual size.



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

RANGE (psig)	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 1 bar Vac	PXM4202-VAC5V	£198	DP41-B, DP25-E, DP-7700
0 to 500 mbarg	PXM4202-500MBG5V	198	DP41-B, DP25-E, DP-7700
0 to 1	PXM4202-1BG5V	198	DP41-B, DP25-E, DP-7700
0 to 1.6	PXM4202-1.6BG5V	145	DP41-B, DP25-E, DP-7700
0 to 2.5	PXM4202-2.5BG5V	145	DP41-B, DP25-E, DP-7700
0 to 4	PXM4202-004BG5V	145	DP41-B, DP25-E, DP-7700
0 to 6	PXM4202-006BG5V	145	DP41-B, DP25-E, DP-7700
0 to 10	PXM4202-010BG5V	145	DP41-B, DP25-E, DP-7700
0 to 16	PXM4202-016BG5V	145	DP41-B, DP25-E, DP-7700
0 to 25	PXM4202-025BG5V	145	DP41-B, DP25-E, DP-7700
0 to 40	PXM4202-040BG5V	145	DP41-B, DP25-E, DP-7700
0 to 60	PXM4202-060BG5V	145	DP41-B, DP25-E, DP-7700
0 to 100	PXM4202-100BG5V	145	DP41-B, DP25-E, DP-7700
0 to 160	PXM4202-160BG5V	145	DP41-B, DP25-E, DP-7700
0 to 250	PXM4202-250BG5V	145	DP41-B, DP25-E, DP-7700
0 to 400	PXM4202-400BG5V	145	DP41-B, DP25-E, DP-7700
0 to 600	PXM4202-600BG5V	145	DP41-B, DP25-E, DP-7700
0 to 1000	PXM4202-1KBG5V	145	DP41-B, DP25-E, DP-7700
PRESSURE MONITOR			
	PM1000	80	Plug-on display
	PM1001	105	Plug-on display with single set-point

All models come with complete operator's manual
 Ordering Example: PXM4202-100BG5V has a range of 0 to 100 bar with a 5 Vdc output, £145.