

# PREMIUM TEMPERATURE COMPENSATED PRESSURE TRANSDUCER

## 0.3% OVER COMPENSATED RANGE

### PXM35 Series mV/V Output 0-1 to 0-400 bar 0-15 to 0-5800 psi

1 bar = 14.5 psi  
1 kg/cm<sup>2</sup> = 14.22 psi  
1 atmosphere = 14.7 psi = 29.93 inHg = 760.2 mmHg = 1.014 bar

Starts at  
**£241**



- ✓ All Stainless Steel Construction
- ✓ Stainless Steel for Harsh Environments
- ✓ Available in Gauge, Sealed Gauge, and Absolute Pressure

OMEGA's PXM35 Series comprises high-accuracy, millivolt output, industrial pressure transducers. Their all stainless steel construction makes them suitable for the harshest environments.

The PXM35 is available in gauge, sealed gauge, or absolute models. Three metres of 4-conductor shielded cable is standard. A twist-lock connector electrical termination is also available.

#### SPECIFICATIONS

**Excitation:** 10 Vdc (15 V max)

**Output:** 3 mV/V ±20%

**Accuracy:** 0.25% linearity, hysteresis and repeatability combined

**Zero Balance:** ±2.0% FSO

**Input Resistance:** 350 Ω min

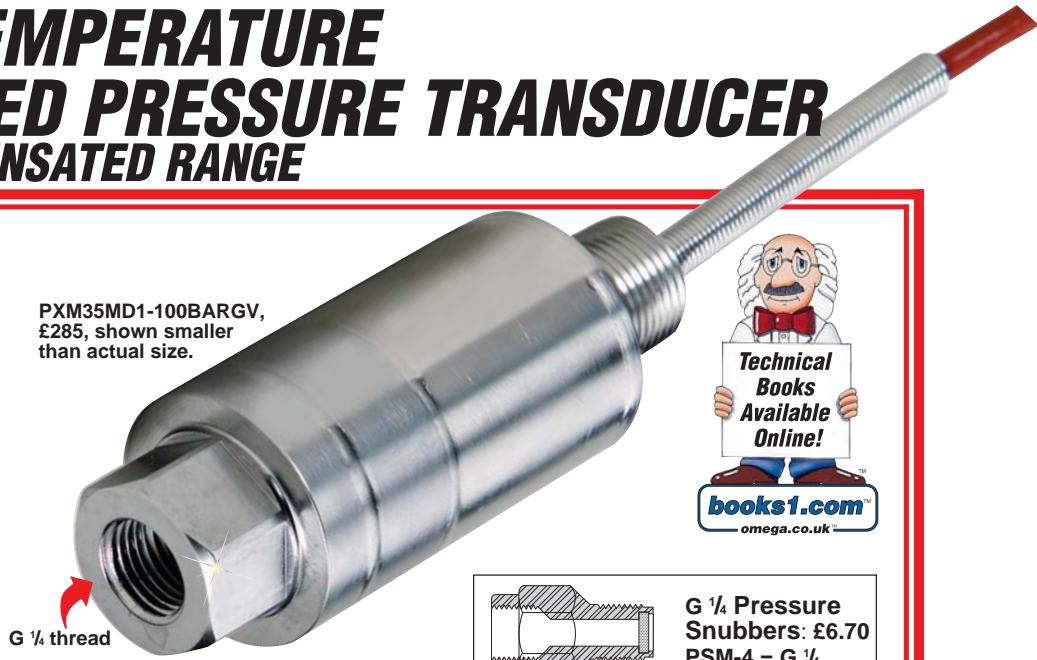
**Output Resistance:** 315 to 530 Ω

**Agency Approvals:** FM Intrinsically Safe IS/I.II.III/1/CDEFG standard

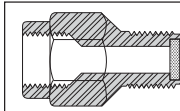
**Operating Temp Range:** -73 to 149°C

**Compensated Temp Range:** 16 to 71°C

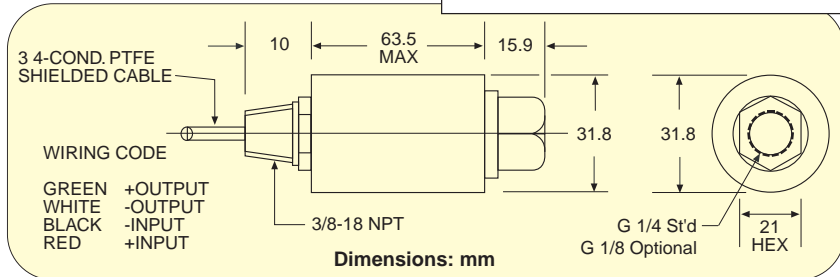
PXM35MD1-100BARGV, £285, shown smaller than actual size.



G 1/4 thread



G 1/4 Pressure Snubbers: £6.70  
PSM-4 = G 1/4



**Thermal Effects:**  
Span: 0.0054% rdg/°C  
Zero: 0.008% FSO/°C  
**Proof Pressure:**  
150% of rated pressure  
**Burst Pressure:**  
300% of rated pressure

**Wetted Parts:** 17-4 PH stainless steel  
**Pressure Port:**  
Standard: G 1/4 male  
Optional: G 1/4 female, G 1/8 male or female  
**Electrical Connection:**  
3 m 4-conductor cable

**MOST POPULAR MODELS HIGHLIGHTED!**

#### To Order (Specify Model Number)

Models with G 1/4 Female Pressure Connection, Integral Connector & mV/V Output

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*	
0 to 1 bar	0 to 15 psi	PXM35MD1-001BARGV	£241	DP41-S, DP25B-S
0 to 1.60 bar	0 to 23 psi	PXM35MD1-1.60BARGV	241	DP41-S, DP25B-S
0 to 2.50 bar	0 to 36 psi	PXM35MD1-2.50BARGV	241	DP41-S, DP25B-S
0 to 4 bar	0 to 58 psi	PXM35MD1-004BARGV	241	DP41-S, DP25B-S
0 to 6 bar	0 to 87 psi	PXM35MD1-006BARGV	241	DP41-S, DP25B-S
0 to 10 bar	0 to 145 psi	PXM35MD1-010BARGV	241	DP41-S, DP25B-S
0 to 16 bar	0 to 232 psi	PXM35MD1-016BARGV	241	DP41-S, DP25B-S
0 to 25 bar	0 to 363 psi	PXM35MD1-025BARGV	241	DP41-S, DP25B-S
0 to 40 bar	0 to 580 psi	PXM35MD1-040BARGV	241	DP41-S, DP25B-S
0 to 60 bar	0 to 870 psi	PXM35MD1-060BARGV	241	DP41-S, DP25B-S
0 to 100 bar	0 to 1450 psi	PXM35MD1-100BARGV	285	DP41-S, DP25B-S
0 to 160 bar	0 to 2321 psi	PXM35MD1-160BARGV	285	DP41-S, DP25B-S
0 to 250 bar	0 to 3626 psi	PXM35MD1-250BARGV	285	DP41-S, DP25B-S
0 to 400 bar	0 to 5802 psi	PXM35MD1-400BARGV	285	DP41-S, DP25B-S

Comes with 5-point calibration. \* See page 291 for compatible meters.

To order sealed gauge pressure models, replace "G" in model number with "S" (no extra charge).

To order absolute pressure models replace "G" in model number with "A" (no extra charge).

**Ordering Examples:** PXM35MD1-010BARSV, 10 bar sealed gauge pressure transducer, £241. PXM35MD1-001BARAV, 1 bar absolute (relative) pressure transducer, £241.



#### 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)

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)

0800-099-33-44



## More than 100,000 Products Available!

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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

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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, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

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