



Excellent performance at a low cost price with 0.4% accuracy in a wide variety of rated pressures from vacuum to 5,000 PSI

All stainless steel housing and wetted materials ensure maximum media compatibility enabling a long service life in harsh environments



Six electrical connections and five process connection options enable the pressure transducer to be configured to meet your needs

We make things MOVE

Pressure Sensor - BPT Analog Pressure Transducer Series

The **NEW** BPT Analog Pressure Transducer Series from Bimba expands Bimba's current line of pressure measurement solutions. This all stainless steel analog pressure transducer converts the media pressure into an analog electrical signal with either a current or voltage output.

This new BPT Analog Pressure Transducer Series can be used in a wide range of applications primarily including the following industries: industrial process control systems, hydraulic and pneumatic systems, food and beverage, pumps and compressors, energy and water management, construction, and agricultural equipment industries.

Features and Benefits

- > All stainless steel housing and wetted components
 - Robust design with complete isolation of the sensing element from the media.
 - Protection from harmful chemicals, dust, and other materials that could cause failure to the device.
- > Affordable, cost-effective solution with the ability to be configured:
 - 2,880 total configurations available to meet your specific application
 - 17 common stocked configurations available for quick, reliable delivery
- > Variety of pressure ranges from vacuum to 5,000 PSI
- > Compact in size providing long term stability with an easy, simple installation

Performance Specifications

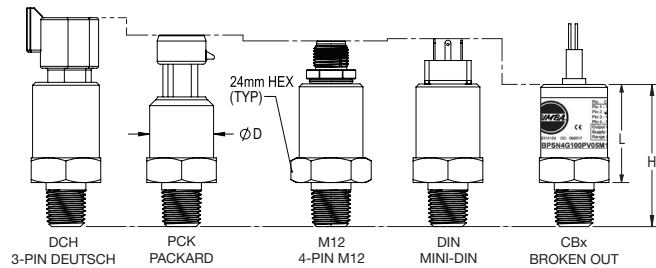
- > Performance @25 C (77°F)
 - Accuracy 0.4% FS, BFSL
 - Stability 0.2% FS
 - Thermal Error 1% FS
 - Zero and Span Offset Tolerances 1.5%
- > Operating Conditions
 - Compensated Temperatures
 - 10 to 100°C (14 to 212°F)
 - Operating Temperatures
 - 20 to 125°C (-4 to 257°F)
 - Shock 50g, 11ms, 1/2 sign

- Vibration 11g peak from 10 to 400 Hz
- Ingress Protection Rating up to IP67
- > Electrical Characteristics
 - Current consumption approx.
 - 4 mA (1-5V, 0-5V, 0.5-4.5V, 4-20mA)
 - 11 mA (0-10V)
 - 23 mA (4-20mA)
 - Supply Voltage/Output
 - 8-28 VDC (1-5V, 0-5V, 4-20mA)
 - 5 VDC (0.5-4.5V, 0.5-4.5V Ratiometric)
 - 12-36 VDC (0-10V)

- > Materials
 - Housing and port 316 stainless steel
 - Wetted materials stainless steel
 - Diaphragm material
 - 316 SS <1500 PSI
 - 17-4 SS > 1500 PSI
 - No internal seals
- > Proof Pressure = 3x rated pressure
- > Burst Pressure = 4x rated pressure
- > Fatigue Life > 4,000,000 cycles
- > Approvals CE, ROHS

Dimensions

Connector	H inch [mm]				
	Port Order Code				
	G4	N4	N8	R4	U7
CBx	1.8 [46]	1.9 [49]	1.9 [47]	1.9 [49]	1.8 [45]
DCH	2.7 [69]	2.8 [72]	2.8 [70]	2.8 [72]	2.7 [68]
DIN	2.4 [62]	2.6 [65]	2.5 [63]	2.6 [65]	2.4 [61]
M12	2.4 [61]	2.5 [64]	2.4 [62]	2.5 [64]	2.4 [60]
PCK	2.5 [63]	2.6 [66]	2.5 [64]	2.6 [66]	2.4 [62]



Ordering Information

BPTN4V085PV15M12

Series	Port Size	Rated Pressure	Units	Output Signal	Connector*
BPT	N4 1/4" NPT Male	V000 Vac ~ 0	P PSI	C20 Current 4 to 20ma	M12 4 Pin M12
	N8 1/8" NPT Male	V015 Vac ~ 15		V05 0 to 5 VDC	DCH 3 Pin Deutsch
	U7 7/16" UNF Male	V045 Vac ~ 45		V10 0 to 10 VDC	PCK Packard
	G4 G 1/4" Male	V085 Vac ~ 85		V15 1 to 5 VDC	DIN Mini DIN
	R4 R 1/4" Male	V135 Vac ~ 135		V45 0.5 to 4.5 VDC	CB2 2m Cable
		V185 Vac ~ 185		R45 0.5 to 4.5 VDC Ratiometric	CB5 5m Cable
		V285 Vac ~ 285			
		G015 0 ~ 15			
		G025 0 ~ 25			
		G050 0 ~ 50			
		G100 0 ~ 100			
		G250 0 ~ 250			
		G500 0 ~ 500			
		G01K 0 ~ 1000			
		G03K 0 ~ 3000			
		G05K 0 ~ 5000			

* Shield cables are recommended for best performance



Bimba

25150 S. Governors Hwy
University Park, IL 60484

Tel: +1 800 44 BIMBA

Fax: +1 708 235 2014

Email: cs@imi-precision.com

Website: www.bimba.com

Due to our policy of continuous development, Bimba reserve the right to change specifications without prior notice.

IMI Precision Engineering operates four global centres of technical excellence and a sales and service network in 75 countries, as well as manufacturing capability in the USA, Germany, China, UK, Switzerland, Czech Republic, Mexico and Brazil.

For information on all IMI Precision Engineering companies visit www.imi-precision.com

Supported by distributors worldwide.