

# TRIPLE-RANGE INDUSTRIAL WET/WET DIFFERENTIAL PRESSURE TRANSDUCER

**0 to 5 Vdc Output**  
**0-25 to 0-5000 psi**  
**0-2 to 0-345 bar**  
**Differential Pressure**

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

Metric thread adaptors and snubbers available, visit us online

**Three Calibrated Ranges in 1 Transducer!**

PX83B1-1KD5T, shown smaller than actual size.

## PX83 Series



- ✓ Low Differential Pressure at High Line Pressure—Up to 3000 psi
- ✓ FM Intrinsically Safe
- ✓ All Stainless Steel Construction
- ✓ Hermetically Sealed for Harsh Environments
- ✓ High Overpressure Capability

OMEGA's PX83 Series is a heavy-duty, wet/wet, differential pressure transducer available in ranges from 25 to 5000 psid. The triple-range 0 to 5 V output is suitable for applications in which the pressure may vary from operation to operation and high accuracy and resolution are required. An extremely high overpressure capacity of 1500 psi or 150% (whichever is greater) makes the PX83 a very durable transducer. An FM Approved Intrinsically Safe rating is standard.



DIFFERENTIAL PRESSURE TRANSDUCERS **B**

**BUILT TO ORDER!**

To Order			
Models with 0 to 5 V Triple-Range Output and Integral Connector			
RANGE psid	RANGE bar	MODEL NO.	COMPATIBLE METERS*
025/050/075	1.7/3.4/5.2	PX83D1-075D5T	DP41-E, DP25B-E
050/100/150	3.4/6.9/10.3	PX83D1-150D5T	DP41-E, DP25B-E
100/200/300	6.9/13.8/20.7	PX83D1-300D5T	DP41-E, DP25B-E
200/400/600	13.8/27.6/41.4	PX83D1-600D5T	DP41-E, DP25B-E
500/750/1K	345/51.7/68.9	PX83B1-1KD5T	DP41-E, DP25B-E
750/1.5K/2K	51.7/103/138	PX83B1-2KD5T	DP41-E, DP25B-E
1K/2K/3K	68.9/138/207	PX83B1-3KD5T	DP41-E, DP25B-E
1.5K/3.5K/5K	103/241/345	PX83B1-5KD5T	DP41-E, DP25B-E

Comes complete with 5-point calibration. Metric ranges available – consult Engineering.  
 \* Visit us online for compatible meters.

**Ordering Examples:** PX83B1-600D5T, triple-range 200, 400, and 600 psid range differential transducer with 0 to 5 Vdc output, 1/4-18 NPT pressure fittings and twist-lock 6 pin electrical termination. PT06F10-6S-R, mating connector (sold separately).

### ACCESSORY

MODEL NO.	DESCRIPTION
PT06F10-6S-R	Mating connector for PX83 transducers

