



DIN RAIL CURRENT OUTPUT DIFFERENTIAL PRESSURE TRANSMITTER LOW DIFFERENTIAL PRESSURES

PX665 Series
4 to 20 mA Output
0-0.1 to 0-50 inH₂O
0-0.25 to 0-125 mbar

Starts at
\$590



PX665-5BDI, \$590, shown larger than actual size, includes calibration kit and test jacks, not shown.



- ✓ **Compact Space-Saving DIN Rail Mount Design**
- ✓ **Low Differential Pressure Ranges**
- ✓ **On-Board Voltage Regulation Allows Use of Low-Cost, Unregulated Power Supply**

SPECIFICATIONS

Excitation: 12 to 36 Vdc

Output: 4 to 20 mA

Accuracy: $\pm 0.5\%$ FS

Non-Linearity: $\pm 0.4\%$ FS

Hysteresis: $\pm 0.02\%$ FS

Non-Repeatability: $\pm 0.05\%$

Warm-Up Time: 5 sec max to meet standard specifications from initial power-up

Stability: Max change (FS/year) $\pm 0.5\%$

Response Time: 250 ms

Temperature Limits:

Storage: -40 to 82°C (-40 to 180°F)

Operating: -28 to 82°C (-20 to 180°F)
(10 to 95% RH non-condensing)

Compensated: 2 to 57°C (35 to 135°F)

Thermal Coefficients:

Zero: $\pm 0.036\%$ FS/°C ($\pm 0.02\%$ FS/°F)

Span: $\pm 0.036\%$ FS/°C ($\pm 0.02\%$ FS/°F)

EMC: CE compliant to EN61326:
1997 ANNEX A harmonized heavy industrial transmitter specification

Overpressure Limits:

Proof: 15 psid

Burst: 25 psi

Max Static Pressure: 25 psi

Mounting Position Effect:

0.5" WC and higher 0.1% FS/g

Below 0.5" WC 0.25% FS/g

Note: Mounting position effect easily corrected with zero potentiometer

Zero and Span Potentiometers (Front Accessible, Non-Interactive):

Zero: $\pm 5\%$ FS

Span: $\pm 3\%$ FS

Pressure Connections: 1/8 NPT female

Weight: 127 g (4.5 oz)

Enclosure: Glass-filled polycarbonate (UL94 -V-1)

Pressure Media:

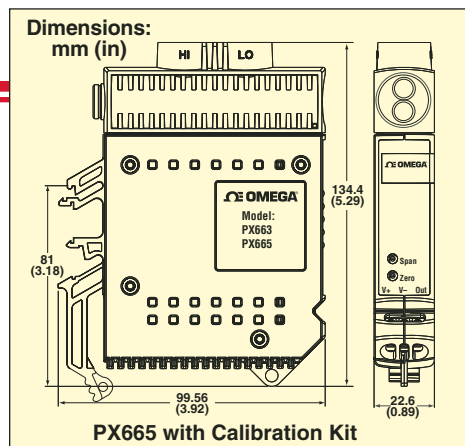
Clean, dry and non-corrosive gas

NOT FOR USE WITH LIQUIDS

Mounting:

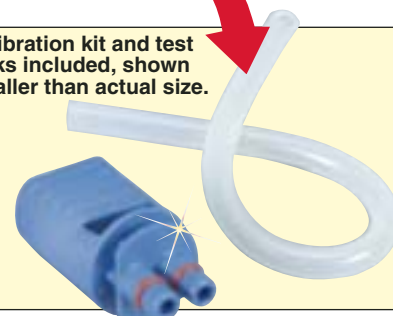
DIN rail types EN50022, 35 and 45

DIN RAIL CURRENT OUTPUT DIFFERENTIAL PRESSURE TRANSMITTER



Calibration Kit Included!

Calibration kit and test jacks included, shown smaller than actual size.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
inH ₂ O	mbar			
0 to 0.10	0.25	PX665-0.1DI	\$695	DP25B-E, DPi8, DP41-E
0 to 0.25	0.62	PX665-0.25DI	650	DP25B-E, DPi8, DP41-E
0 to 0.50	1.25	PX665-0.5DI	620	DP25B-E, DPi8, DP41-E
0 to 0.75	1.87	PX665-0.75DI	590	DP25B-E, DPi8, DP41-E
0 to 1.00	2.50	PX665-1DI	590	DP25B-E, DPi8, DP41-E
0 to 1.50	3.70	PX665-1.5DI	590	DP25B-E, DPi8, DP41-E
0 to 2.00	5.00	PX665-2DI	590	DP25B-E, DPi8, DP41-E
0 to 2.50	6.20	PX665-2.5DI	590	DP25B-E, DPi8, DP41-E
0 to 3.00	7.50	PX665-3DI	590	DP25B-E, DPi8, DP41-E
0 to 5.00	12.50	PX665-5DI	590	DP25B-E, DPi8, DP41-E
0 to 10.00	24.90	PX665-10DI	590	DP25B-E, DPi8, DP41-E
0 to 15.00	37.40	PX665-15DI	590	DP25B-E, DPi8, DP41-E
0 to 20.00	49.80	PX665-20DI	590	DP25B-E, DPi8, DP41-E
0 to 25.00	62.30	PX665-25DI	590	DP25B-E, DPi8, DP41-E
0 to 50.00	125.00	PX665-50DI	590	DP25B-E, DPi8, DP41-E
BI-DIRECTIONAL RANGES				
±0.05	±0.12	PX665-0.05BDI	\$695	DP25B-E, DPi8, DP41-E
±0.10	±0.25	PX665-0.1BDI	650	DP25B-E, DPi8, DP41-E
±0.25	±0.62	PX665-0.25BDI	620	DP25B-E, DPi8, DP41-E
±0.50	±1.25	PX665-0.5BDI	590	DP25B-E, DPi8, DP41-E
±0.75	±1.87	PX665-0.75BDI	590	DP25B-E, DPi8, DP41-E
±1.00	±2.50	PX665-1BDI	590	DP25B-E, DPi8, DP41-E
±2.00	±5.00	PX665-2BDI	590	DP25B-E, DPi8, DP41-E
±2.50	±6.20	PX665-2.5BDI	590	DP25B-E, DPi8, DP41-E
±3.00	±7.50	PX665-3BDI	590	DP25B-E, DPi8, DP41-E
±5.00	±12.50	PX665-5BDI	590	DP25B-E, DPi8, DP41-E
±10.00	±24.90	PX665-10BDI	590	DP25B-E, DPi8, DP41-E
±25.00	±125.00	PX665-25BDI	590	DP25B-E, DPi8, DP41-E

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-6	\$340	Reference Book: Fundamentals of Temperature, Pressure, and Air Flow Measurement

* See section D for compatible meters.

Comes with complete operator's manual calibration kit and test jacks.

Custom configurations available. Please consult Engineering.

Ordering Example: PX665-2.5BDI, low-pressure differential pressure transducer, ±2.5 inH₂O range, \$590.

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