



# DIN RAIL VOLTAGE OUTPUT DIFFERENTIAL PRESSURE TRANSDUCER LOW DIFFERENTIAL PRESSURES

**PX663 Series**  
1 to 5 Vdc Output  
0-0.1 to 0-50 inH<sub>2</sub>O  
0-0.25 to 0-125 mbar

Starts at  
**\$600**



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

## SPECIFICATIONS

**Excitation:** 12 to 36 Vdc

**Output:** 1 to 5 Vdc

**Accuracy:** ±0.5% FS

**Non-Linearity:** ±0.4% FS

**Hysteresis:** ±0.02% FS

**Non-Repeatability:** ±0.05%

**Supply Current:** <10 mA

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

**Stability:** Max change (FS/year) ±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:** ±0.036% FS/°C (±0.02% FS/°F)

**Span:** ±0.036% FS/°C (±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:** ±5% FS

**Span:** ±3% FS

**Pressure Connections:** 1/8 NPT female

**Weight:** 127 grams (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



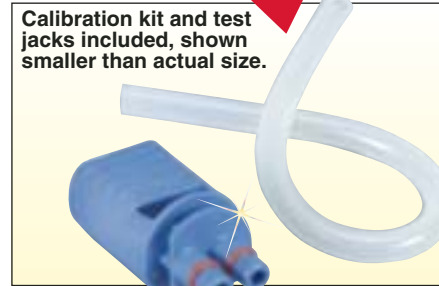
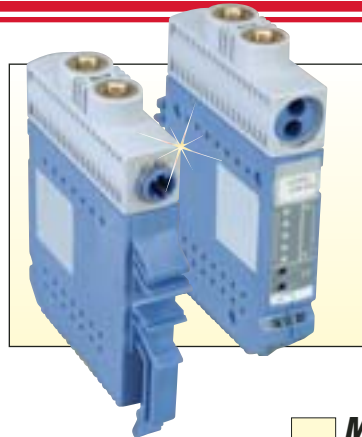
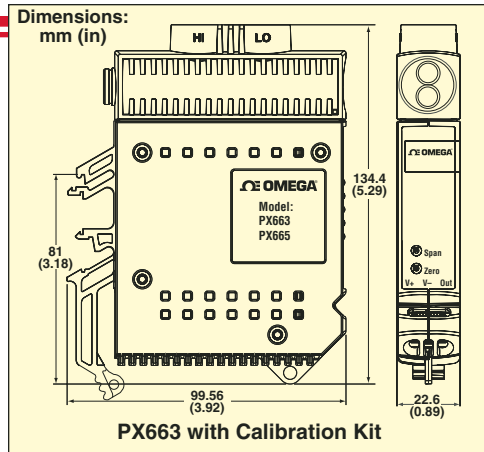
PX663-5BD5V, \$600, shown larger than actual size, includes calibration kit and test jacks, not shown.



# DIN RAIL VOLTAGE OUTPUT DIFFERENTIAL PRESSURE TRANSDUCERS



Calibration Kit Included!



  **MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
inH <sub>2</sub> O	mbar			
0 to 0.10	0.25	PX663-0.1D5V	\$705	DP25B-E, DPi8, DP41-E
0 to 0.25	0.62	PX663-0.25D5V	630	DP25B-E, DPi8, DP41-E
0 to 0.50	1.25	PX663-0.5D5V	600	DP25B-E, DPi8, DP41-E
0 to 0.75	1.87	PX663-0.75D5V	600	DP25B-E, DPi8, DP41-E
0 to 1.00	2.50	PX663-1D5V	600	DP25B-E, DPi8, DP41-E
0 to 1.50	3.70	PX663-1.5D5V	600	DP25B-E, DPi8, DP41-E
0 to 2.00	5.00	PX663-2D5V	600	DP25B-E, DPi8, DP41-E
0 to 2.50	6.20	PX663-2.5D5V	600	DP25B-E, DPi8, DP41-E
0 to 3.00	7.50	PX663-3D5V	600	DP25B-E, DPi8, DP41-E
0 to 5.00	12.50	PX663-5D5V	600	DP25B-E, DPi8, DP41-E
0 to 10.00	24.90	PX663-10D5V	600	DP25B-E, DPi8, DP41-E
0 to 15.00	37.40	PX663-15D5V	600	DP25B-E, DPi8, DP41-E
0 to 20.00	49.80	PX663-20D5V	600	DP25B-E, DPi8, DP41-E
0 to 25.00	62.30	PX663-25D5V	600	DP25B-E, DPi8, DP41-E
0 to 50.00	125.00	PX663-50D5V	600	DP25B-E, DPi8, DP41-E
<b>BI-DIRECTIONAL RANGES</b>				
±0.05	±0.12	PX663-0.05BD5V	\$705	DP25B-E, DPi8, DP41-E
±0.10	±0.25	PX663-0.1BD5V	660	DP25B-E, DPi8, DP41-E
±0.25	±0.62	PX663-0.25BD5V	630	DP25B-E, DPi8, DP41-E
±0.50	±1.25	PX663-0.5BD5V	600	DP25B-E, DPi8, DP41-E
±0.75	±1.87	PX663-0.75BD5V	600	DP25B-E, DPi8, DP41-E
±1.00	±2.50	PX663-1BD5V	600	DP25B-E, DPi8, DP41-E
±2.00	±5.00	PX663-2BD5V	600	DP25B-E, DPi8, DP41-E
±2.50	±6.20	PX663-2.5BD5V	600	DP25B-E, DPi8, DP41-E
±3.00	±7.50	PX663-3BD5V	600	DP25B-E, DPi8, DP41-E
±5.00	±12.50	PX663-5BD5V	600	DP25B-E, DPi8, DP41-E
±10.00	±24.90	PX663-10BD5V	600	DP25B-E, DPi8, DP41-E
±25.00	±125.00	PX663-25BD5V	600	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: PX663-2.5BD5V, low-pressure differential pressure transducer, ±2.5 inH<sub>2</sub>O, \$600.

DIFFERENTIAL PRESSURE TRANSDUCERS B



# DIN RAIL CURRENT OUTPUT DIFFERENTIAL PRESSURE TRANSMITTER LOW DIFFERENTIAL PRESSURES

**PX665 Series**  
4 to 20 mA Output  
0-0.1 to 0-50 inH<sub>2</sub>O  
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)

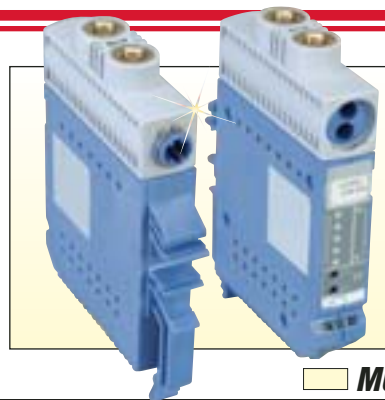
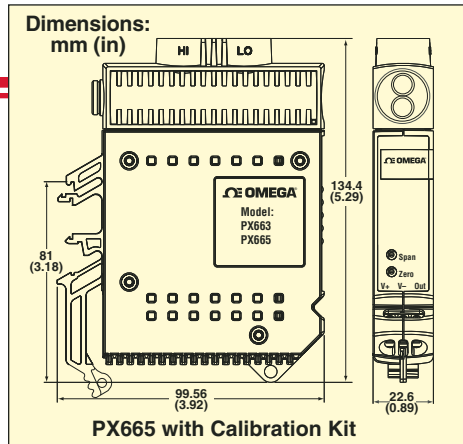
**Pressure Media:**

Clean, dry and non-corrosive gas  
NOT FOR USE WITH LIQUIDS

**Mounting:**

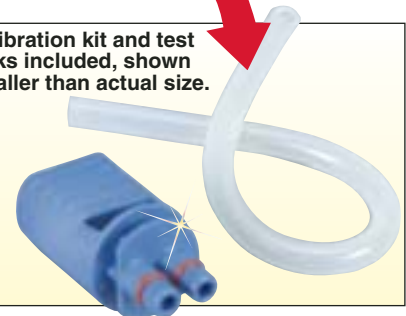
DIN rail types EN50022, 35 and 45

# 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 <sub>2</sub> 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
<b>BI-DIRECTIONAL RANGES</b>				
±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 inH<sub>2</sub>O range, \$590.

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