

HIGHLY ACCURATE, LOW-PRESSURE INDUSTRIAL TRANSMITTER

PX656/PX657 Series
0-0.1 to 0-200 inH₂O
0-25 Pa to 0-50 kPa

Starts at
\$560



Ideal Applications:

- ✓ Boiler Inlet Air Systems
- ✓ HVAC
- ✓ Industrial Fume Hoods
- ✓ Level Control

SPECIFICATIONS

Excitation: 12 to 36 Vdc

Output: 4 to 20 mA (2 wire)

Linearity:

PX656: 0.3% FS BFSL

PX657: 0.15% FS BFSL

Hysteresis:

PX656: 0.02% FS

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Repeatability:

PX656: 0.05% FS

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Operating Temp: -29 to 85°C

(-20 to 185°F)

Compensated Temp: -18 to 72°C

(0 to 160°F)

Thermal Effects:

Zero: 0.015% FS/°F

Span: 0.015% FS/°F

Proof Pressure: 10 psi

Burst Pressure: 50 psi

Static Pressure: 100 psi

Gage Type: Capacitance

Max Loop Resistance:

(Supply voltage - 12) x 50 Ω

Calibration Report: NIST calibration at

25, 50, 75 and 100% FS; upscale and

downscale provided

Response Time: 250 ms

Wetted Parts: Dry, clean non-corrosive gases only

Enclosure: NEMA 4X (IP65);

137 L x 76 W x 64 mm D (5.4 x 3 x 2.5")

Pressure Port: ¼ NPTF

Electrical Conn: Screw terminal

(two ½ NPTF conduit)

Weight: 955 g (2.1 lb)

PX656-100DI, \$560,
 shown smaller
 than actual size.



DIFFERENTIAL PRESSURE TRANSDUCERS

B

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE inH ₂ O	Pa/kPa	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 0.1	0 to 25	PX656-0.1DI	\$665	DP25B-E, DP41-E, DP460-E
0 to 0.25	0 to 62	PX656-0.25DI	620	DP25B-E, DP41-E, DP460-E
0 to 0.5	0 to 125	PX656-0.5DI	590	DP25B-E, DP41-E, DP460-E
0 to 1	0 to 249	PX656-01DI	560	DP25B-E, DP41-E, DP3002-E
0 to 2	0 to 498	PX656-02DI	560	DP25B-E, DP41-E, DP460-E
0 to 3	0 to 748	PX656-03DI	560	DP25B-E, DP41-E, DP460-E
0 to 5	0 to 1.25	PX656-05DI	560	DP25B-E, DP41-E, DP460-E
0 to 10	0 to 2.49	PX656-10DI	560	DP25B-E, DP41-E, DP3002-E
0 to 25	0 to 6.23	PX656-25DI	560	DP25B-E, DP41-E, DP460-E
0 to 50	0 to 12.5	PX656-50DI	560	DP25B-E, DP41-E, DP460-E
0 to 100	0 to 24.9	PX656-100DI	560	DP25B-E, DP41-E, DP460-E
0 to 200	0 to 49.8	PX656-200DI	560	DP25B-E, DP41-E, DP460-E
BI-DIRECTIONAL RANGES				
± 0.05	12	PX656-0.05BDI	\$665	DP25B-E, DP41-E, DP460-E
± 0.25	62	PX656-0.25BDI	590	DP25B-E, DP41-E, DP460-E
± 0.5	125	PX656-0.50BDI	560	DP25B-E, DP41-E, DP460-E
± 1	249	PX656-01BDI	560	DP25B-E, DP41-E, DP460-E
± 2.5	623	PX656-2.5BDI	560	DP25B-E, DP41-E, DP460-E
± 5	1.25	PX656-05BDI	560	DP25B-E, DP41-E, DP460-E
± 10	2.49	PX656-10BDI	560	DP25B-E, DP41-E, DP460-E
± 25	6.23	PX656-25BDI	560	DP25B-E, DP41-E, DP460-E
± 50	12.5	PX656-50BDI	560	DP25B-E, DP41-E, DP460-E
± 100	24.9	PX656-100BDI	560	DP25B-E, DP41-E, DP460-E

Comes with complete operator's manual.

* See section D for compatible meters.

To order the high-accuracy PX657, change "PX656" to "PX657" in model number and add \$215.

Ordering Example: PX657-1DI, high-accuracy 0 to 1 inH₂O range transmitter,
 \$560 + 215 = \$775.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
EE-2530	\$220	Reference Book: Handbook of Systems Engineering





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1-800-TC-OMEGA
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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

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

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, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters