

HIGHLY ACCURATE, LOW-PRESSURE LABORATORY TRANSDUCER

PX653 Series
 0-0.1 to 0-50 inH₂O
 0-25 Pa to 0-12.5 kPa

Starts at
\$395



PX653-01D5V, \$395, with DP3002-E meter, \$285, shown smaller than actual size, see section D.

Ideal Applications:

- ✓ Clean Rooms
- ✓ HVAC
- ✓ Laboratory Fume Hoods

SPECIFICATIONS

Excitation: 12 to 36 Vdc
Output: 1 to 5 Vdc (3 wire)
Linearity: 0.3% FS (BFSL)
Hysteresis: 0.02% FS
Repeatability: 0.05% FS
Operating Temperature: -29 to 72°C (-20 to 160°F)
Compensated Temperature: 2 to 57°C (35 to 135°F)
Thermal Effects:
 Zero: 0.015% FS/°F
 Span: 0.015% rdg/°F
Proof Pressure: 15 psi
Burst Pressure: 20 psi
Static Pressure: 25 psi
Gage Type: Capacitance
Supply Current: <5 mA
Calibration Report: NIST cal 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 2 (IP62), 107 H x 117 W x 53 mm D (4.2 x 4.6 x 2.1")
Pressure Port: ¼ barbed fittings (tubing TY-316-100)
Electrical Connections: Screw terminal
Weight: 368 g (13 oz)

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

RANGE		MODEL NO.	PRICE	COMPATIBLE METERS*
inH ₂ O	Pa/kPa			
0 to 0.1	0 to 25	PX653-0.1D5V	\$495	DP25B-E, DP41-E, DP460-E
0 to 0.25	0 to 62	PX653-0.25D5V	445	DP25B-E, DP41-E, DP460-E
0 to 0.50	0 to 125	PX653-0.5D5V	425	DP25B-E, DP41-E, DP460-E
0 to 0.75	0 to 187	PX653-0.75D5V	395	DP25B-E, DP41-E, DP460-E
0 to 1	0 to 249	PX653-01D5V	395	DP25B-E, DP41-E, DP3002-E
0 to 2	0 to 498	PX653-02D5V	395	DP25B-E, DP41-E, DP460-E
0 to 3	0 to 748	PX653-03D5V	395	DP25B-E, DP41-E, DP460-E
0 to 5	0 to 1.25	PX653-05D5V	395	DP25B-E, DP41-E, DP460-E
0 to 10	0 to 2.49	PX653-10D5V	395	DP25B-E, DP41-E, DP3002-E
0 to 25	0 to 6.23	PX653-25D5V	395	DP25B-E, DP41-E, DP460-E
0 to 50	0 to 12.5	PX653-50D5V	395	DP25B-E, DP41-E, DP460-E
BIDIRECTIONAL RANGES				
±0.1	25	PX653-0.1BD5V	\$455	DP25B-E, DP41-E, DP460-E
±0.25	62	PX653-0.25BD5V	425	DP25B-E, DP41-E, DP460-E
±0.50	125	PX653-0.5BD5V	395	DP25B-E, DP41-E, DP460-E
±1	249	PX653-01BD5V	395	DP25B-E, DP41-E, DP460-E
±2.5	623	PX653-2.5BD5V	395	DP25B-E, DP41-E, DP460-E
±5	1.25	PX653-05BD5V	395	DP25B-E, DP41-E, DP460-E
±10	2.49	PX653-10BD5V	395	DP25B-E, DP41-E, DP460-E
±25	6.23	PX653-25BD5V	395	DP25B-E, DP41-E, DP460-E
±50	12.5	PX653-50BD5V	395	DP25B-E, DP41-E, DP460-E

Comes with complete operator's manual.

* See section D for compatible meters.

Ordering Example: PX653-01D5V, high-accuracy, low-pressure transducer with a 0 to 1 inH₂O range, \$395.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
OP-17	\$15	Reference Book: Measure for Measure





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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

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• 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