

# HIGHLY ACCURATE, LOW-PRESSURE LABORATORY TRANSDUCER

**PX653 Series**  
 0-0.1 to 0-50 inH<sub>2</sub>O  
 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 <sub>2</sub> 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
<b>BIDIRECTIONAL RANGES</b>				
±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 inH<sub>2</sub>O range, \$395.

## ACCESSORY

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



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