

SOLID STATE SENSORS FOR LOW-PRESSURE APPLICATIONS TEMPERATURE-COMPENSATED

PX170 Series
0-7 to 0-28 inH₂O
0-1.7 to 0-7.0 kPa

All Ranges
\$85



- ✓ Solid State Reliability
- ✓ Linear Output Proportional to Pressure
- ✓ Low Null Shift
- ✓ Integral Silicon Diaphragm
- ✓ PC Board Mount or Connector
- ✓ Ideally Suited for Clean, Dry, Non-Corrosive Gases

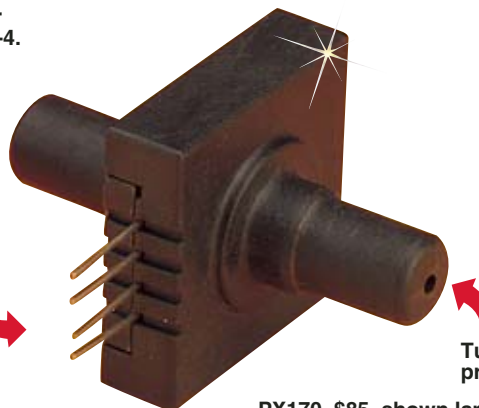
SPECIFICATIONS

Excitation: 10 Vdc (16 Vdc max) @ 2 mA
Output: 7 inH₂O, 28 ±2 mV; 14 inH₂O, 35 ±2 mV; 28 inH₂O, 42 ±2 mV
Input Impedance: 6.6 kΩ
Linearity: P2 > P1 ±1.5% FS (full scale output)
Hysteresis and Repeatability: ±0.25% FS
Zero Balance: ±2 mV
Operable Temperature Range: -40 to 85°C (-40 to 185°F)
Compensated Temperature Range: 0 to 50°C (32 to 122°F)
Thermal Zero Effect: ±3 mV
Thermal Span Effect: ±3.5% FS
Operable Overpressure: 140 inH₂O (5 psi)
Stability Over 1 Year: ±1.5% FS
Response Time: 1 ms
Gage Type: Solid state piezoresistor
Diaphragm Material: Silicon
Media Compatibility:
P1: Dry gases only
P2 (Gage): Limited to media that will not attack polyester, silicon, borosilicate glass or epoxy adhesive.
Pressure Port: 7.1 mm (0.28") Dia.
Tube Fitting Electrical Connection: Standard 2.5 mm (0.1") spacing for PC board termination
Mating Connectors: CX136-4, see page C-10
Weight: 7 g (0.25 oz)

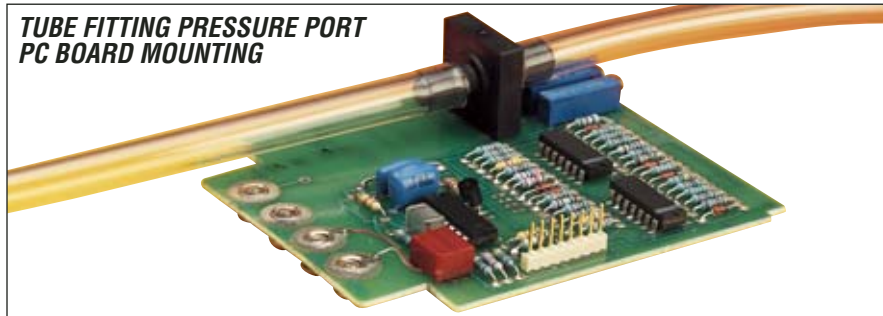
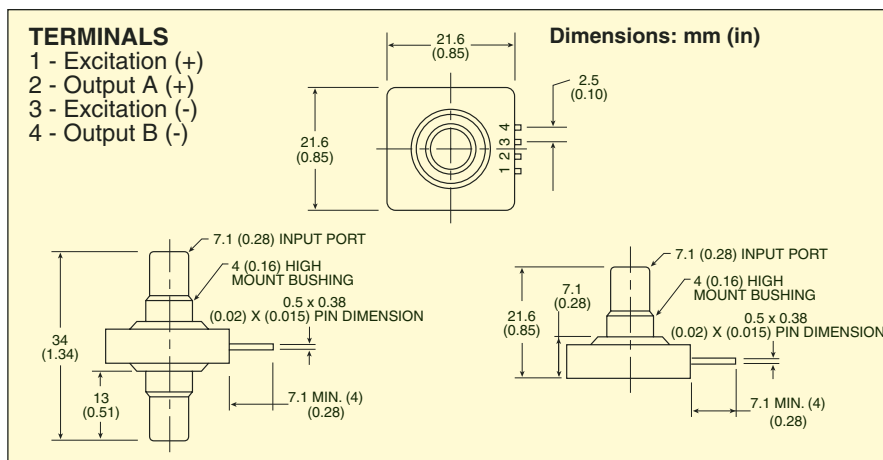
See page C-10 for connector CX136-4.

DIFFERENTIAL

Pin connection for PC board mounting or push-on connector, CX136-4, \$2.50, sold separately.



PX170, \$85, shown larger than actual size.



ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)					
RANGE		TYPE	MODEL NO.	PRICE	COMPATIBLE METERS*
inH ₂ O	kPa				
0 to 7	0 to 1.7	Diff	PX170-07DV	\$85	DP41-S, DP2000-S3, DP25B-S
0 to 14	0 to 3.5	Diff	PX170-14DV	85	DP41-S, DP2000S4, DP25B-S
0 to 28	0 to 7.0	Diff	PX170-28DV	85	DP41-S, DP2000S1, DP25B-S

Comes with operator's manual.

* See section D for compatible meters.

Ordering Example: PX170-28DV, differential input transducer with a range of 0 to 28 inH₂O, \$85.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
EE-2560	\$125	Reference Book: Analog Signal Processing

