



USB OUTPUT PRESSURE TRANSDUCER CONNECT DIRECTLY TO YOUR COMPUTER

PX409 USB Series
Gage and Absolute Pressures
10 inH₂O to 5000 psi
(25 mb to 345 bar)
Vacuum and Compound Ranges
10 inH₂O to 15 psi
Barometric Ranges

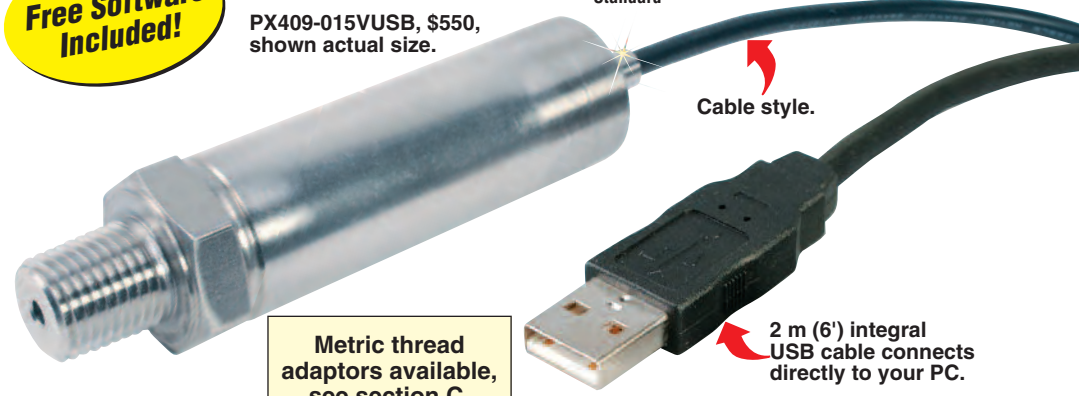
**Free Software
Included!**

Starts at
\$545



Standard

PX409-015VUSB, \$550,
shown actual size.




Cable style.

Metric thread
adaptors available,
see section C.

2 m (6') integral
USB cable connects
directly to your PC.

- ✓ Micro-Machined Silicon Sensor
- ✓ 316L SS Wetted Parts
- ✓ High ±0.08% Accuracy Typ. (0.14% Max)
- ✓ Fast Delivery! Stock to 1-Week on Most Models
- ✓ Excellent Long Term Stability
- ✓ USB 2.0 and Below Compatible
- ✓ Standard USB Connector Termination
- ✓ Shock and Vibration Rated
- ✓ Ruggedized with Secondary Containment

FREE SOFTWARE INCLUDED!



Each unit includes free software that converts your PC into a strip chart recorder or data logger so readings can be saved and later printed or exported to a spreadsheet file. Also included are software drivers for some of the most popular Laboratory programs.

The PX409 USB Series connects directly to your computer. Free software makes data logging and charting your readings a simple task. Also included are drivers for popular laboratory programs plus some web applications. The micro-machined silicon design are ideal for pressure or level applications in laboratory, test platforms, or bio/pharmaceutical applications as well as industrial applications that require a rugged, high accuracy transducer. The micro-machined silicon sensor provides a very stable transducer with exceptional high accuracy of ±0.08% Typ. and a broad compensated range of -29 to 85°C (-20 to 185°F). The modular construction allows for fast delivery of most configurations and fittings. Delivery is typically stock to 1 week!

SPECIFICATIONS

Accuracy: 0.08% BSL typical (linearity, hysteresis and repeatability combined) (0.14% BSL max)

Temperature Compensation (Over Compensated Range):

Span: Range > 5 psi: ±0.5%

Range ≤ 5 psi: ±1.0%

Zero: Range > 5 psi: ±0.5%

Range ≤ 5 psi: ±1.0%

Minimum Isolation Between Case and Output Terminations:
100 MΩ @ 50 Vdc

Pressure Cycles: 1 million, minimum

Long Term Stability (1-Year): ±0.1% FS typical

A to D Conversion: 14-Bit

Shock: 50 g, 11 mS half sine, vertical and horizontal axis

Vibration: 5-2000-5 Hz, 30 minute cycle, Curve L, Mil-Spec 810 figure 514-2-2, vertical and horizontal axis

Bandwidth: DC to 3 Hz typical

CE Compliant: Meets industrial emissions and immunity EN61326

Environmental Protection: IP65

Secondary Containment Vacuum and Pressure:

10 inH₂O to 5 psi: to 1000 psi

15 to 1000 psi: to 3000 psi

1500 to 5000 psi: to 15,000 psi

Secondary Containment Absolute Pressure:

5 to 1000 psi: to 6000 psi

1500 to 5000 psi: to 15,000 psi

Wetted Parts: 316L SS

Weight: 200 g (7 oz)

Overpressure Gage Pressure:

10 inH₂O: 10 times span

1 psi: 6 times span

2.5 psi to 3500 psi: 4 times span

5000 psi: 15,000 psi max

Overpressure Absolute Pressure:

5 psia: 6 times span

15 psia to 3500 psia: 4 times span

5000 psia: 15000 psi max

Operating Temperature Range: -40 to 85°C (-40 to 185°F)

Compensated Temperature:

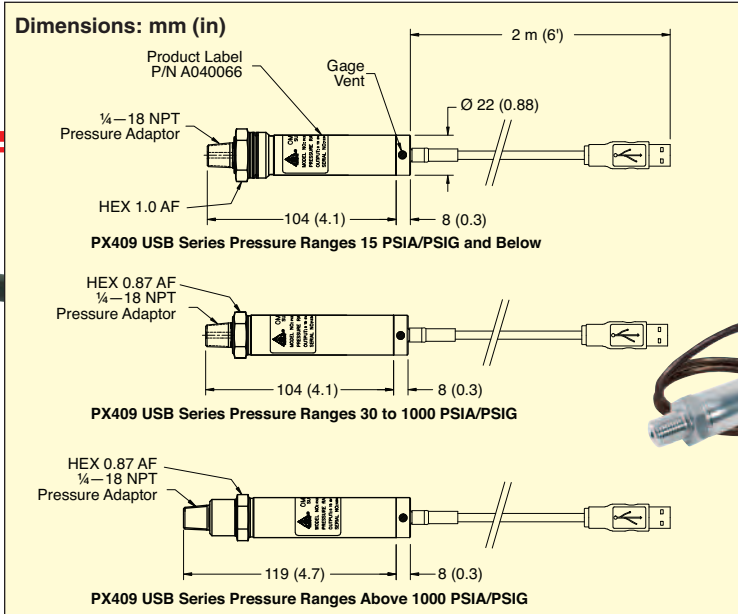
Ranges >5 psi: -29 to 85°C (-20 to 185°F)

Ranges ≤5 psi: -17 to 85°C (0 to 185°F)

USB OUTPUT PRESSURE TRANSDUCER



Free Software Included!



Laptop not included.

MOST POPULAR MODELS HIGHLIGHTED!

RANGE/RESOLUTION		GAGE PRESSURE MODEL NO.	ABSOLUTE PRESSURE MODEL NO.	PRICE
PSI	BAR			
GAGE PRESSURE				
0 to 10.00 inH ₂ O	0 to 25.00 mb	PX409-10WGUSB	—	\$595
0 to 1.000	0 to 69.00 mb	PX409-001GUSB	—	595
0 to 2.500	0 to 172.0 mb	PX409-2.5GUSB	—	595
0 to 5.000	0 to 345.0 mb	PX409-005GUSB	—	545
0 to 15.00	0 to 1.000	PX409-015GUSB	PX409-015AUSB	545
0 to 30.00	0 to 2.100	PX409-030GUSB	PX409-030AUSB	545
0 to 50.00	0 to 3.400	PX409-050GUSB	PX409-050AUSB	545
0 to 100.0	0 to 6.900	PX409-100GUSB	PX409-100AUSB	545
0 to 150.0	0 to 10.30	PX409-150GUSB	PX409-150AUSB	545
0 to 250.0	0 to 17.20	PX409-250GUSB	PX409-250AUSB	545
0 to 500.0	0 to 34.50	PX409-500GUSB	PX409-500AUSB	545
0 to 750.0	0 to 51.70	PX409-600GUSB	PX409-600AUSB	545
0 to 1000	0 to 69.00	PX409-1.0KGUSB	PX409-1.0KAUSB	545
0 to 1500	0 to 103.0	PX409-1.5KGUSB	PX409-1.5KAUSB	545
0 to 2500	0 to 172.0	PX409-2.5KGUSB	PX409-2.5KAUSB	545
0 to 3500	0 to 241.0	PX409-3.5KGUSB	PX409-3.5KAUSB	545
0 to 5000	0 to 345.0	PX409-5.0KGUSB	PX409-5.0KAUSB	545
VACUUM RANGES (NEGATIVE GAGE PRESSURE)				
0 to -10.00 inH ₂ O	0 to -25.00 mb	PX409-10WVUSB	—	\$600
0 to -1.00 psi	0 to -69.00 mb	PX409-001VUSB	—	600
0 to -2.500 psi	0 to -172.0 mb	PX409-2.5VUSB	—	600
0 to -5.00 psi	0 to -345.0 mb	PX409-005VUSB	—	550
0 to -15.00 psi	0 to -1.000	PX409-015VUSB	—	550
COMPOUND GAGE RANGES				
± 10.00 inH ₂ O	± 25.00 mb	PX409-10WCGUSB	—	\$665
± 1.000 psi	± 69.00 mb	PX409-001CGUSB	—	665
± 2.500 psi	± 172.0 mb	PX409-2.5CGUSB	—	665
± 5.000 psi	± 345.0 mb	PX409-005CGUSB	—	615
± 15.00 psi	± 1.000	PX409-015CGUSB	—	615
BAROMETRIC RANGES (ABSOLUTE PRESSURE)				
0 to 32.00 inHg	0 to 1100 mb	—	PX409-32BUSB	\$690
16.00 to 32.00 inHg	550.0 to 1100 mb	—	PX409-16BUSB	690
26.00 to 32.00 inHg	880.0 to 1100 mb	—	PX409-26BUSB	690

Comes complete with 5-point NIST traceable calibration certificate, CD with charting and graphic software plus drivers

Ordering Examples: PX409-100GUSB, 2 m (6') cable with USB termination, 100 psig range, USB output, \$545.

PX409-16BUSB, 2 m (6') cable with USB termination, 16 to 32 inHg absolute barometric range, USB output, \$690.



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