

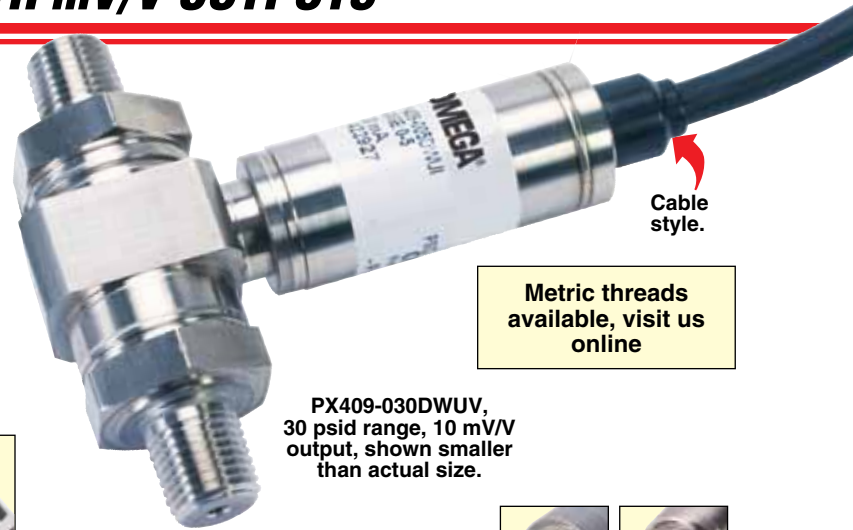
WET/WET DIFFERENTIAL PRESSURE MODELS

UNI-DIRECTIONAL RANGES WITH mV/V OUTPUTS

UNI-DIRECTIONAL mV/V SPECIFICATIONS

- Output: 10 mV/V ratiometric
- Supply Voltage: 5 to 10 Vdc
- Current Draw: 5 mA @ 10 Vdc
- Input Impedance: 1000 to 5000 Ω
- Output Impedance: 5000 Ω \pm 10% typical
- Zero Balance:
 - Ranges \leq 2.5psi: \pm 1% typical (2% maximum)
 - Ranges $>$ 2.5psi: \pm 0.5% typical (1% maximum)
- Span Setting:
 - Ranges \leq 2.5psi: \pm 1% typical (2% maximum)
 - Ranges $>$ 2.5psi: \pm 0.5% typical (1% maximum)

Fast Delivery!
Stock to 2 Weeks
On Most Models



Metric threads available, visit us online

PX409-030DWUV, 30 psid range, 10 mV/V output, shown smaller than actual size.

CABLE TERMINATION*

To Order		
10 mV/V OUTPUT, 1/4 NPT MALE FITTINGS		
RANGE	METRIC	MODEL NO.
0 to 10 inH ₂ O	25 mbar	PX409-10WDWUV
0 to 1 psi	70 mbar	PX409-001DWUV
0 to 2.5 psi	170 mbar	PX409-2.5DWUV
0 to 5 psi	350 mbar	PX409-005DWUV
0 to 15 psi	1 bar	PX409-015DWUV
0 to 30 psi	2 bar	PX409-030DWUV
0 to 50 psi	3.5 bar	PX409-050DWUV
0 to 100 psi	7 bar	PX409-100DWUV
0 to 150 psi	10 bar	PX409-150DWUV
0 to 250 psi	17.5 bar	PX409-250DWUV
0 to 500 psi	35 bar	PX409-500DWUV
0 to 750 psi	50 bar	PX409-750DWUV
0 to 1000 psi	70 bar	PX409-1.0KDWUV



M12 or TWIST-LOCK TERMINATION

10 mV/V OUTPUT, 1/4 NPT MALE FITTINGS		
RANGE	METRIC	MODEL NO.
0 to 10 inH ₂ O	25 mbar	PX4[*]9-10WDWUV
0 to 1 psi	70 mbar	PX4[*]9-001DWUV
0 to 2.5 psi	170 mbar	PX4[*]9-2.5DWUV
0 to 5 psi	350 mbar	PX4[*]9-005DWUV
0 to 15 psi	1 bar	PX4[*]9-015DWUV
0 to 30 psi	2 bar	PX4[*]9-030DWUV
0 to 50 psi	3.5 bar	PX4[*]9-050DWUV
0 to 100 psi	7 bar	PX4[*]9-100DWUV
0 to 150 psi	10 bar	PX4[*]9-150DWUV
0 to 250 psi	17.5 bar	PX4[*]9-250DWUV
0 to 500 psi	35 bar	PX4[*]9-500DWUV
0 to 750 psi	50 bar	PX4[*]9-750DWUV
0 to 1000 psi	70 bar	PX4[*]9-1.0KDWUV



* To order conduit fitting backend change model number from "PX409" to "PX409C", no additional cost.

MINI DIN TERMINATION

10 mV/V OUTPUT, 1/4 NPT MALE FITTINGS		
RANGE	METRIC	MODEL NO.
0 to 10 inH ₂ O	25 mbar	PX419-10WDWUV
0 to 1 psi	70 mbar	PX419-001DWUV
0 to 2.5 psi	170 mbar	PX419-2.5DWUV
0 to 5 psi	350 mbar	PX419-005DWUV
0 to 15 psi	1 bar	PX419-015DWUV
0 to 30 psi	2 bar	PX419-030DWUV
0 to 50 psi	3.5 bar	PX419-050DWUV
0 to 100 psi	7 bar	PX419-100DWUV
0 to 150 psi	10 bar	PX419-150DWUV
0 to 250 psi	17.5 bar	PX419-250DWUV
0 to 500 psi	35 bar	PX419-500DWUV
0 to 750 psi	50 bar	PX419-750DWUV
0 to 1000 psi	70 bar	PX419-1.0KDWUV



Comes complete with 5-point NIST traceable calibration certificate.
 [*] Enter "5" for PX459 M12 connector or "2" for PX429 twist lock connector (mating PX429 connector sold separately).
Ordering Examples: PX409-100DWUV, 0 to 100 psi uni-directional wet/wet differential pressure range, 10 mV/V output, 0.08% accuracy, 1/4 NPT fittings, 2 m (6') cable.
 PX419-015DWUV, 0 to 15 psi uni-directional wet/wet differential pressure range, 10 mV/V output, 0.08% accuracy, 1/4 NPT fittings, mini DIN connector.
 PX429-10WDWUV, 0 to 10 inH₂O uni-directional wet/wet differential pressure range, 10 mV/V output, 0.08% accuracy, 1/4 NPT fittings, twist-lock connector plus PT06F10-6S, mating connector.

CONNECTIONS—mV/V OUTPUT

PX429 TWIST-LOCK	PX419/PX459	PX409 CABLE	
Pin A	+EXC	Pin 1 +EXC	Red +EXC
Pin B	-EXC	Pin 2 -EXC	Black -EXC
Pin C	+SIG	Pin 3 +SIG	White +SIG
Pin D	-SIG	Pin 4 -SIG	Green -SIG
Pin E	No Connection		
Pin F	No Connection		

WET/WET DIFFERENTIAL PRESSURE MODELS

UNI-DIRECTIONAL RANGES WITH 0 to 5 Vdc OUTPUTS

UNI-DIRECTIONAL VOLTAGE OUTPUT SPECIFICATIONS

Output Voltage/Supply Voltage: 0 to 5 Vdc/10 to 30 Vdc; 0 to 10 Vdc/15 to 30 Vdc (change "5V" to "10V" in model number)

Current Draw: 10 mA maximum

Maximum Current Output: 2 mA (= 2500 Ω minimum load resistance)

Output Impedance: 100 Ω

Zero Balance:

Ranges > 2.5psi: $\pm 0.5\%$ typical (1% maximum)

Ranges $\leq 2.5\text{psi}$: $\pm 1\%$ typical (2% maximum)

Span Setting:

Ranges > 2.5psi: $\pm 0.5\%$ typical (1% maximum)

Ranges $\leq 2.5\text{psi}$: $\pm 1\%$ typical (2% maximum)

CABLE TERMINATION*

To Order

0 to 5 Vdc OUTPUT, 1/4 NPT MALE FITTINGS

RANGE	METRIC	MODEL NO.
0 to 10 inH ₂ O	25 mbar	PX409-10WDWU5V
0 to 1 psi	70 mbar	PX409-001DWU5V
0 to 2.5 psi	170 mbar	PX409-2.5DWU5V
0 to 5 psi	350 mbar	PX409-005DWU5V
0 to 15 psi	1 bar	PX409-015DWU5V
0 to 30 psi	2 bar	PX409-030DWU5V
0 to 50 psi	3.5 bar	PX409-050DWU5V
0 to 100 psi	7 bar	PX409-100DWU5V
0 to 150 psi	10 bar	PX409-150DWU5V
0 to 250 psi	17.5 bar	PX409-250DWU5V
0 to 500 psi	35 bar	PX409-500DWU5V
0 to 750 psi	50 bar	PX409-750DWU5V
0 to 1000 psi	70 bar	PX409-1.0KDWU5V

* To order conduit fitting backend change model number from "PX409" to "PX409C", no additional cost.

MINI-DIN TERMINATION

0 to 5 Vdc OUTPUT, 1/4 NPT MALE FITTINGS

RANGE	METRIC	MODEL NO.
0 to 10 inH ₂ O	25 mbar	PX419-10WDWU5V
0 to 1 psi	70 mbar	PX419-001DWU5V
0 to 2.5 psi	170 mbar	PX419-2.5DWU5V
0 to 5 psi	350 mbar	PX419-005DWU5V
0 to 15 psi	1 bar	PX419-015DWU5V
0 to 30 psi	2 bar	PX419-030DWU5V
0 to 50 psi	3.5 bar	PX419-050DWU5V
0 to 100 psi	7 bar	PX419-100DWU5V
0 to 150 psi	10 bar	PX419-150DWU5V
0 to 250 psi	17.5 bar	PX419-250DWU5V
0 to 500 psi	35 bar	PX419-500DWU5V
0 to 750 psi	50 bar	PX419-750DWU5V
0 to 1000 psi	70 bar	PX419-1.0KDWU5V



mini DIN style.

PX419-100DWU5V, 100 psid range, 0 to 5 Vdc output shown smaller than actual size.

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M12 or TWIST-LOCK TERMINATION

0 to 5 Vdc OUTPUT, 1/4 NPT MALE FITTINGS

RANGE	METRIC	MODEL NO.
0 to 10 inH ₂ O	25 mbar	PX4[*]9-10WDWU5V
0 to 1 psi	70 mbar	PX4[*]9-001DWU5V
0 to 2.5 psi	170 mbar	PX4[*]9-2.5DWU5V
0 to 5 psi	350 mbar	PX4[*]9-005DWU5V
0 to 15 psi	1 bar	PX4[*]9-015DWU5V
0 to 30 psi	2 bar	PX4[*]9-030DWU5V
0 to 50 psi	3.5 bar	PX4[*]9-050DWU5V
0 to 100 psi	7 bar	PX4[*]9-100DWU5V
0 to 150 psi	10 bar	PX4[*]9-150DWU5V
0 to 250 psi	17.5 bar	PX4[*]9-250DWU5V
0 to 500 psi	35 bar	PX4[*]9-500DWU5V
0 to 750 psi	50 bar	PX4[*]9-750DWU5V
0 to 1000 psi	70 bar	PX4[*]9-1.0KDWU5V

Comes complete with 5-point NIST traceable calibration certificate.

[*] Enter "5" for PX459 M12 connector or "2" for PX429 twist lock connector (mating PX429 connector sold separately).

Note: To order 0 to 10 Vdc output, change "5V" to "10V" in model number, no additional cost.

Ordering Examples: PX409-100DWU5V, 0 to 100 psi uni-directional wet/wet differential pressure range, 0 to 5 Vdc output, 0.08% accuracy, 1/4 NPT fittings, 2 m (6') cable.

PX419-015DWU5V, 0 to 15 psi uni-directional wet/wet differential pressure range, 0 to 5 Vdc output, 0.08% accuracy, 1/4 NPT fittings, mini DIN connector.

PX429-10WDWU5V, 0 to 10 inH₂O uni-directional wet/wet differential pressure range, 0 to 5 Vdc output, 0.08% accuracy, 1/4 NPT fittings, twist-lock connector plus PT06F10-6S, mating connector.

CONNECTIONS—VOLTAGE OUTPUT

PX429 TWIST-LOCK		PX419/PX459		PX409 CABLE	
Pin A	+EXC	Pin 1	+EXC	Red	+EXC
Pin B	-COM	Pin 2	-COM	Black	-EXC
Pin C	+SIG	Pin 3	+SIG	White	+SIG
Pin D	No Conn	Pin 4	No Conn	Green	No Conn
Pin E	No Connection				
Pin F	No Connection				

DIFFERENTIAL PRESSURE TRANSDUCERS **B**