

# WET/DRY 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  $\Omega$
- Output Impedance: 5000  $\Omega$   $\pm$ 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)

### CABLE TERMINATION\*

#### To Order

#### 10 mV/V OUTPUT, 1/4 NPT MALE FITTINGS

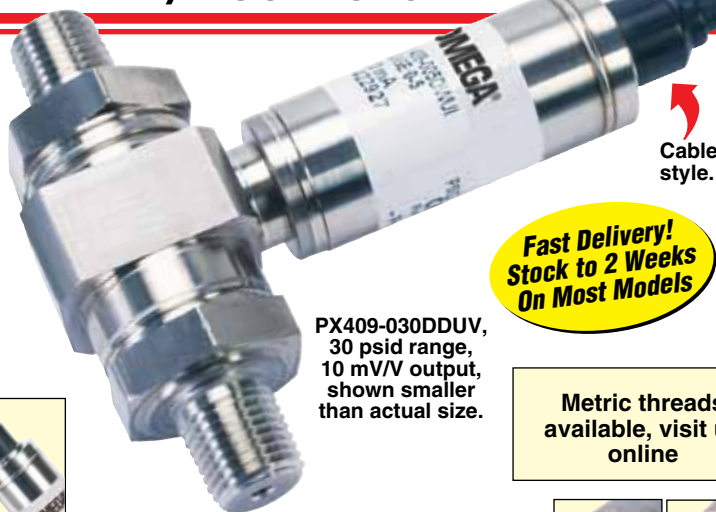
RANGE	METRIC	MODEL NO.
0 to 10 inH <sub>2</sub> O	25 mbar	PX409-10WDDUV
0 to 1 psi	70 mbar	PX409-001DDUV
0 to 2.5 psi	170 mbar	PX409-2.5DDUV
0 to 5 psi	350 mbar	PX409-005DDUV
0 to 15 psi	1 bar	PX409-015DDUV
0 to 30 psi	2 bar	PX409-030DDUV
0 to 50 psi	3.5 bar	PX409-050DDUV
0 to 100 psi	7 bar	PX409-100DDUV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

\* 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 <sub>2</sub> O	25 mbar	PX419-10WDDUV
0 to 1 psi	70 mbar	PX419-001DDUV
0 to 2.5 psi	170 mbar	PX419-2.5DDUV
0 to 5 psi	350 mbar	PX419-005DDUV
0 to 15 psi	1 bar	PX419-015DDUV
0 to 30 psi	2 bar	PX419-030DDUV
0 to 50 psi	3.5 bar	PX419-050DDUV
0 to 100 psi	7 bar	PX419-100DDUV
0 to 150 psi	10 bar	PX419-150DDUV
0 to 250 psi	17.5 bar	PX419-250DDUV
0 to 500 psi	35 bar	PX419-500DDUV
0 to 750 psi	50 bar	PX419-750DDUV
0 to 1000 psi	70 bar	PX419-1.0KDDUV



**Fast Delivery!**  
Stock to 2 Weeks  
On Most Models

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

Metric threads  
available, visit us  
online

### M12 or TWIST-LOCK TERMINATION

#### 10 mV/V OUTPUT, 1/4 NPT MALE FITTINGS

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

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, PT06F10-6S).

Ordering Examples: PX409C-100DDUV, 0 to 100 psi uni-directional wet/dry differential pressure range, 10 mV/V output, 0.08% accuracy, 1/4 NPT fitting, 2 m (6') cable with 1/2 NPT conduit fitting.

PX419-015DDUV, 0 to 15 psi uni-directional wet/dry differential pressure range, 10 mV/V output, 0.08% accuracy, 1/4 NPT fittings, mini DIN connector.

PX429-10WDDUV, 0 to 10 inH<sub>2</sub>O uni-directional wet/dry 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 MINI DIN		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				

DIFFERENTIAL PRESSURE TRANSDUCERS

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# WET/DRY 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: ±0.5% typical (1% maximum)

Ranges ≤ 2.5psi: ±1% typical (2% maximum)

**Span Setting:**

Ranges > 2.5psi: ±0.5% typical (1% maximum)

Ranges ≤ 2.5psi: ±1% typical (2% maximum)

### CABLE TERMINATION\*

#### To Order

#### 0 to 5 Vdc OUTPUT, ¼ NPT MALE FITTINGS

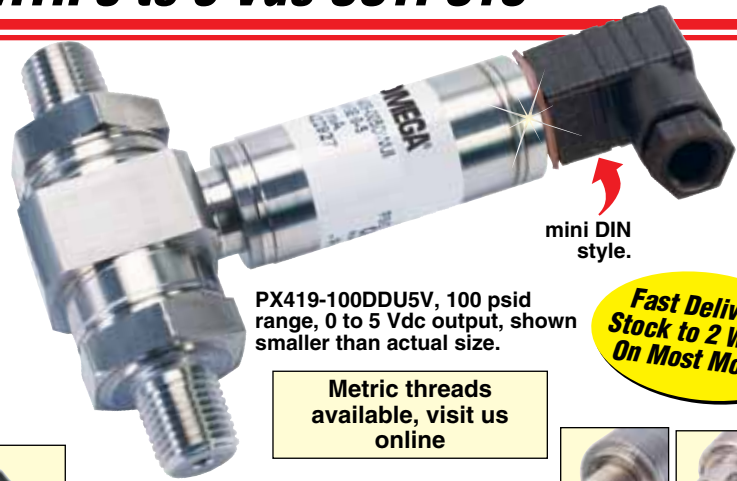
RANGE	METRIC	MODEL NO.
0 to 10 inH <sub>2</sub> O	25 mbar	PX409-10WDDU5V
0 to 1 psi	70 mbar	PX409-001DDU5V
0 to 2.5 psi	170 mbar	PX409-2.5DDU5V
0 to 5 psi	350 mbar	PX409-005DDU5V
0 to 15 psi	1 bar	PX409-015DDU5V
0 to 30 psi	2 bar	PX409-030DDU5V
0 to 50 psi	3.5 bar	PX409-050DDU5V
0 to 100 psi	7 bar	PX409-100DDU5V
0 to 150 psi	10 bar	PX409-150DDU5V
0 to 250 psi	17.5 bar	PX409-250DDU5V
0 to 500 psi	35 bar	PX409-500DDU5V
0 to 750 psi	50 bar	PX409-750DDU5V
0 to 1000 psi	70 bar	PX409-1.0KDDU5V

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

### MINI DIN TERMINATION

#### 0 to 5 Vdc OUTPUT, ¼ NPT MALE FITTINGS

RANGE	METRIC	MODEL NO.
0 to 10 inH <sub>2</sub> O	25 mbar	PX419-10WDDU5V
0 to 1 psi	70 mbar	PX419-001DDU5V
0 to 2.5 psi	170 mbar	PX419-2.5DDU5V
0 to 5 psi	350 mbar	PX419-005DDU5V
0 to 15 psi	1 bar	PX419-015DDU5V
0 to 30 psi	2 bar	PX419-030DDU5V
0 to 50 psi	3.5 bar	PX419-050DDU5V
0 to 100 psi	7 bar	PX419-100DDU5V
0 to 150 psi	10 bar	PX419-150DDU5V
0 to 250 psi	17.5 bar	PX419-250DDU5V
0 to 500 psi	35 bar	PX419-500DDU5V
0 to 750 psi	50 bar	PX419-750DDU5V
0 to 1000 psi	70 bar	PX419-1.0KDDU5V



PX419-100DDU5V, 100 psid range, 0 to 5 Vdc output, shown smaller than actual size.

Metric threads available, visit us online

**Fast Delivery!**  
**Stock to 2 Weeks**  
**On Most Models**

### M12 or TWIST-LOCK TERMINATION

#### 0 to 5 Vdc OUTPUT, ¼ NPT MALE FITTINGS

RANGE	METRIC	MODEL NO.
0 to 10 inH <sub>2</sub> O	25 mbar	PX4[*]9-10WDDU5V
0 to 1 psi	70 mbar	PX4[*]9-001DDU5V
0 to 2.5 psi	170 mbar	PX4[*]9-2.5DDU5V
0 to 5 psi	350 mbar	PX4[*]9-005DDU5V
0 to 15 psi	1 bar	PX4[*]9-015DDU5V
0 to 30 psi	2 bar	PX4[*]9-030DDU5V
0 to 50 psi	3.5 bar	PX4[*]9-050DDU5V
0 to 100 psi	7 bar	PX4[*]9-100DDU5V
0 to 150 psi	10 bar	PX4[*]9-150DDU5V
0 to 250 psi	17.5 bar	PX4[*]9-250DDU5V
0 to 500 psi	35 bar	PX4[*]9-500DDU5V
0 to 750 psi	50 bar	PX4[*]9-750DDU5V
0 to 1000 psi	70 bar	PX4[*]9-1.0KDDU5V

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:** PX409C-100DDU10V, 0 to 100 psi uni-directional wet/dry differential pressure range, 0 to 10 Vdc output, 0.08% accuracy, ¼ NPT fitting, 2 m (6') cable with ½ NPT conduit fitting.

PX419-015DDU5V, 0 to 15 psi uni-directional wet/dry differential pressure range, 0 to 5 Vdc output, 0.08% accuracy, ¼ NPT fittings, mini DIN connector.

PX429-10WDDU5V, 0 to 10 inH<sub>2</sub>O uni-directional wet/dry differential pressure range, 0 to 5 Vdc output, 0.08% accuracy, ¼ NPT fittings, twist-lock connector plus PT06F10-S6, mating connector.

### CONNECTIONS—VOLTAGE OUTPUT

PX429 TWIST-LOCK		PX419 MINI DIN		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				