

# Вакуумные контроллеры, преобразователи давления, системы давления, датчики давления абсолютные, санитарные, взрывозащищенные, промышленные 68801, 68072, 98072, 68073, 68074, 68075, 68071

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# Cole-Parmer® Pressure/Vacuum Systems with 316 SS Diaphragm Sensor



Customize to your needs

- Complete system is composed of 1. Sensor 2. Indicator or controller and 3. Calibrator (optional)  
1. Sensors provide improved tracking ability and maintain calibration over long periods of time. When replacing a sensor, you do not need to recalibrate. These sensors are suited for use with mercury and oil pumps. Diaphragm type sensor offers quick response—less than 400 milliseconds full-scale. Select a diaphragm type sensor made from 316 stainless steel or silicon based on your application.  
  
2A. Indicators provide precise digital readout of pressure/vacuum. Single-hole installation lets you mount meters into panel cutouts that measure 23/4" (7.0 cm) square or 23/4" (7.0 cm) up to 33/8" (8.6 cm) in diameter (such as those for Hastings, Varian, TeleVac, and other meters) . Mounting hardware is included. Indicators include 10-ft (3.0-m) cable to connect sensor and 51/2-ft (1.7-m) power cord for 115 VAC operation. Order optional 20-ft (6.1-m) extension cable—extension won't affect calibration.  
  
2B. Controllers have all of the features of the indicators plus two independently set SPDT relays for control of high and low limits. Easily adjust set points to any value with front-panel push buttons; connect relay outputs at screw terminals at back of unit.  
  
3. Calibrators let you readjust your meter or controller display quickly and easily to factory specifications (±0.2%) . Calibrators provide precise zero and span input values.

| item                                                                                                      | Accuracy                     | Resolution | Description                                                                     |
|-----------------------------------------------------------------------------------------------------------|------------------------------|------------|---------------------------------------------------------------------------------|
| <div>EW-68801-43</div> | ±1% of reading or<br>±1 Torr | 1 Torr     | 1 To 1500 Torr<br>Pressure/vacuum<br>Pirani-type<br>Sensor, Nw 16<br>Connection |

| item                                                                                          | Accuracy                                | Resolution | Description                                                                     |
|-----------------------------------------------------------------------------------------------|-----------------------------------------|------------|---------------------------------------------------------------------------------|
|  EW-68801-53 | $\pm 1\%$ of reading or<br>$\pm 1$ Torr | 1 Torr     | Pressure/Vacuum<br>Sensor, 316SS,<br>Diaphragm, 1/4"<br>NPT(M) , 1-1500<br>torr |

## Cole-Parmer® Pressure/Vacuum System Components



Zoom Image



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Customize to your needs

• Complete system requires:

- 1. Sensor
- 2. Indicator or controller
- Optional 3. Calibrator

Sensors provide improved tracking ability and maintain calibration over long periods of time. When replacing a sensor, you do not need to recalibrate.

These sensors are suited for use with mercury and oil pumps.

Pirani type sensors offer enhanced stability and an automatic temperature compensation network. The 304 stainless steel sensors operate at half the temperature of standard thermopile sensors. Use for high-vacuum applications.

Diaphragm type sensor offers quick response—less than 400 milliseconds full-scale. Select a diaphragm type sensor made from 316 stainless steel or silicon based on your application.

| item                                                                                            | Accuracy                         | Resolution | Description                                                                        |
|-------------------------------------------------------------------------------------------------|----------------------------------|------------|------------------------------------------------------------------------------------|
|  EW-68801-40   | ±5% of reading or<br>±0.03 mTorr | 0.01 mTorr | 0.01 To 100 Mtorr<br>Pressure/vacuum<br>Pirani-type<br>Sensor, Nw 16<br>Connection |
|  EW-68801-41 | ±5% of reading or<br>±3 mTorr    | 1 mTorr    | 1 To 2000 Mtorr<br>Pressure/vacuum<br>Pirani-type<br>Sensor, Nw 16<br>Connection   |

| item                                                                                                                                          | Accuracy                                 | Resolution        | Description                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------|-------------------------------------------------------------------------------------------|
| <div data-bbox="126 253 256 376" data-label="Image"> </div> <div data-bbox="256 253 584 376" data-label="Text"> <p>EW-68801-50</p> </div>     | <p>±5% of reading or<br/>±0.03 mTorr</p> | <p>0.01 mTorr</p> | <p>0.01 To 100 Mtorr<br/>Pressure/vacuum<br/>Pirani-type<br/>Sensor, 3/4" Tube<br/>OD</p> |
| <div data-bbox="126 770 256 893" data-label="Image"> </div> <div data-bbox="256 770 584 893" data-label="Text"> <p>EW-68801-51</p> </div>     | <p>±5% of reading or<br/>±3 mTorr</p>    | <p>1 mTorr</p>    | <p>1 To 2000 Mtorr<br/>Pressure/vacuum<br/>Pirani-type<br/>Sensor, 1/8"<br/>NPT(M)</p>    |
| <div data-bbox="126 1288 256 1411" data-label="Image"> </div> <div data-bbox="256 1288 584 1411" data-label="Text"> <p>EW-68801-52</p> </div> | <p>±5% of reading or<br/>±0.03 Torr</p>  | <p>0.01 Torr</p>  | <p>0.01 To 20 Torr<br/>Pressure/vacuum<br/>Pirani-type<br/>Sensor, 1/8"<br/>NPT(M)</p>    |

| item                                                                                          | Accuracy                                 | Resolution | Description                                                                   |
|-----------------------------------------------------------------------------------------------|------------------------------------------|------------|-------------------------------------------------------------------------------|
|  EW-68801-61 | $\pm 5\%$ of reading or<br>$\pm 3$ mTorr | 1 mTorr    | 1 to 2000 mtorr<br>Pressure/Vacuum<br>Calibrator for<br>Pirani-Type<br>Sensor |

## Cole-Parmer 1 to 1500 torr Pressure/Vacuum Diaphragm-Type Sensor, 1/8" NPT(M)



Cole-Parmer – Item # EW-68801-57

Create your own high-accuracy system to monitor or control your application

- Required system components include the sensor and indicator or controller all sold separately
- 2 year warranty

# Specifications & Description

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| • Accuracy            | ±1% of reading or ±1 Torr                                         |
| • Wetted Materials    | Silicon                                                           |
| • Process Connection  | 1/8" NPT(M)                                                       |
| • Media Compatibility | Gases compatible with wetted materials                            |
| • Resolution          | 1 Torr                                                            |
| • Description         | 1 to 1500 torr Pressure/Vacuum Diaphragm-Type Sensor, 1/8" NPT(M) |
| • Warranty            | 2 year                                                            |



## MORE ABOUT THIS ITEM

Assemble a complete pressure/vacuum system that meets your monitoring needs. First choose a sensor with the range appropriate for your application. Then order an indicator or a controller—both are available in six ranges. Complete your system with a compatible calibrator to fine tune your meter or controller. Sensors provide improved tracking ability and maintain calibration over long periods of time. When replacing a sensor, you do not need to recalibrate. These sensors are suited for use with mercury and oil pumps. Indicators provide precise digital readout of pressure/vacuum. Controllers have all of the features of the indicators plus two independently set SPDT relays for control of high and low limits. Easily adjust set points to any value with front-panel push buttons; connect relay outputs at screw terminals at back of unit. Calibrators let you readjust your meter or controller display quickly and easily to factory specifications

# Cole-Parmer® Absolute Pressure Transducers, 316 SS



Perfect for high-purity gas delivery systems, semiconductor processes, and control applications that require ultraclean operation and exceptional long-term stability

- Ideal for demanding applications that require corrosion resistance
  - Features ElectroMagnetic Interference (EMI) and Radio Frequency Interference (RFI) shielding where noise could interrupt a transmitter signal
- Rotate cover to access zero and span potentiometers. Transmitters with 4 to 20 mA output have red (positive power) and black (output) wires. Transmitters with 0.2 to 5.2 V output have red (positive power) , green (output) , and black (common) wires.

| item                                                                                                      | Max Pressure (psia) | Output     |
|-----------------------------------------------------------------------------------------------------------|---------------------|------------|
| <div>EW-68072-26</div> | 500                 | 4 to 20 mA |

| item                                                                                            | Max Pressure (psia) | Output       |
|-------------------------------------------------------------------------------------------------|---------------------|--------------|
|  EW-68072-28   | 1000                | 4 to 20 mA   |
|  EW-68072-50   | 25                  | 0.2 to 5.2 V |
|  EW-68072-52 | 50                  | 0.2 to 5.2 V |
|  EW-68072-58 | 500                 | 0.2 to 5.2 V |

# Cole-Parmer® Sanitary Pressure Transducers



The only "no fill" sanitary transducer available

- ±0.1% full-scale accuracy
  - 
  - Designed for clean-in-place and steam-in-place installations
- Sanitary pressure transducers are designed to meet 3A standards — fully sealed to withstand external high-pressure washdowns. Applications include food, dairy, pharmaceutical and paint manufacturing. As a totally self-contained electronic package, the capacitance sensing element along with the signal conditioned IC-based circuit ensures excellent accuracy and long-term stability.

| item                                                                                                      | Process Connection | Accuracy         | Max Pressure (PSI) |
|-----------------------------------------------------------------------------------------------------------|--------------------|------------------|--------------------|
| <div>EW-98072-04</div> | 1-1/2" Tri-Clamp®  | ±0.1% full-scale | 30                 |

| item                                                                                                                                                                              | Process Connection | Accuracy         | Max Pressure (PSI) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------|--------------------|
| <div data-bbox="126 255 256 376"></div> <div data-bbox="256 255 584 376">EW-98072-06</div>       | 1-1/2" Tri-Clamp®  | ±0.1% full-scale | 60                 |
| <div data-bbox="126 772 256 893"></div> <div data-bbox="256 772 584 893">EW-98072-08</div>       | 1-1/2" Tri-Clamp®  | ±0.1% full-scale | 100                |
| <div data-bbox="126 1290 256 1411"></div> <div data-bbox="256 1290 584 1411">EW-98072-20</div> | 2" Tri-Clamp®      | ±0.1% full-scale | 2                  |

| item                                                                                          | Process Connection | Accuracy         | Max Pressure (PSI) |
|-----------------------------------------------------------------------------------------------|--------------------|------------------|--------------------|
|  EW-98072-34 | 2" Tri-Clamp®      | ±0.1% full-scale | 150                |

## Cole-Parmer® High-Accuracy Compound Transmitters



Withstand high shock and vibration applications

- Welded stainless steel (SS) housing rated to NEMA 4 (IP65) standards
  - Choose between 4 to 20 mA and 0.1 to 5.1 V output signal
- Transducers feature SS capacitive sensor for your more demanding systems—ElectroMagnetic Interference (EMI) /Radio Frequency Interference (RFI) resistance ensures accurate and consistent performance in any environment. Adjustable zero and span potentiometers improve accuracy.

| item                                                                                            | Accuracy          | Max Pressure (PSI) | Output         |
|-------------------------------------------------------------------------------------------------|-------------------|--------------------|----------------|
|  EW-68073-04   | ±0.13% full-scale | 60                 | 4 to 20 mA     |
|  EW-68073-06   | ±0.13% full-scale | 100                | 4 to 20 mA     |
|  EW-68074-00 | ±0.13% full-scale | 15                 | 0.1 to 5.1 VDC |

| item                                                                                          | Accuracy          | Max Pressure (PSI) | Output         |
|-----------------------------------------------------------------------------------------------|-------------------|--------------------|----------------|
|  EW-68074-02 | ±0.13% full-scale | 30                 | 0.1 to 5.1 VDC |

## Cole-Parmer® High-Accuracy Pressure Transducers



Zoom Image



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Be more accurate, affordably

• Suitable for high-shock/vibration applications

- SS sensor attached to SS electrode forms a variable capacitor  
Economical, excellent accuracy, and high performance. Ideal for industrial OEM equipment, engines, hydraulic systems, and compressor control.

Transducers with 4 to 20 mA output have red (positive power) and black (output) wires. Transducers with 0.5 to 5.5 V output have red (positive power) , green (output) , and black/white (common) wires.

| item                                                                                            | Accuracy          | Max Pressure (PSI) | Output     |
|-------------------------------------------------------------------------------------------------|-------------------|--------------------|------------|
|  EW-68075-00   | ±0.25% full-scale | 0                  | 4 to 20 mA |
|  EW-68075-01 | ±0.25% full-scale | 1                  | 4 to 20 mA |
|  EW-68075-02 | ±0.25% full-scale | 15                 | 4 to 20 mA |

| item                                                                                            | Accuracy                | Max Pressure (PSI) | Output         |
|-------------------------------------------------------------------------------------------------|-------------------------|--------------------|----------------|
|  EW-68075-03   | $\pm 0.25\%$ full-scale | 2                  | 4 to 20 mA     |
|  EW-68075-05   | $\pm 0.25\%$ full-scale | 1                  | 0.5 to 5.5 VDC |
|  EW-68075-10 | $\pm 0.25\%$ full-scale | 5                  | 4 to 20 mA     |

| item                                                                                            | Accuracy                | Max Pressure (PSI) | Output     |
|-------------------------------------------------------------------------------------------------|-------------------------|--------------------|------------|
|  EW-68075-12   | $\pm 0.25\%$ full-scale | 10                 | 4 to 20 mA |
|  EW-68075-14   | $\pm 0.25\%$ full-scale | 25                 | 4 to 20 mA |
|  EW-68075-16 | $\pm 0.25\%$ full-scale | 50                 | 4 to 20 mA |

| item                                                                                |             | Accuracy          | Max Pressure (PSI) | Output     |
|-------------------------------------------------------------------------------------|-------------|-------------------|--------------------|------------|
|    | EW-68075-18 | ±0.25% full-scale | 100                | 4 to 20 mA |
|    | EW-68075-20 | ±0.25% full-scale | 250                | 4 to 20 mA |
|  | EW-68075-24 | ±0.25% full-scale | 1000               | 4 to 20 mA |

| item                                                                                                                                                                              | Accuracy                | Max Pressure (PSI) | Output         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|----------------|
| <div data-bbox="124 253 256 376"></div> <div data-bbox="256 253 584 376">EW-68075-30</div>       | $\pm 0.25\%$ full-scale | 0                  | 0.5 to 5.5 VDC |
| <div data-bbox="124 768 256 891"></div> <div data-bbox="256 768 584 891">EW-68075-32</div>       | $\pm 0.25\%$ full-scale | 15                 | 0.5 to 5.5 VDC |
| <div data-bbox="124 1283 256 1406"></div> <div data-bbox="256 1283 584 1406">EW-68075-40</div> | $\pm 0.25\%$ full-scale | 5                  | 0.5 to 5.5 VDC |

| item                                                                                                                                     | Accuracy                | Max Pressure (PSI) | Output         |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------|----------------|
| <div data-bbox="124 253 256 376"></div> EW-68075-42     | $\pm 0.25\%$ full-scale | 10                 | 0.5 to 5.5 VDC |
| <div data-bbox="124 768 256 891"></div> EW-68075-46     | $\pm 0.25\%$ full-scale | 50                 | 0.5 to 5.5 VDC |
| <div data-bbox="124 1283 256 1406"></div> EW-68075-48 | $\pm 0.25\%$ full-scale | 100                | 0.5 to 5.5 VDC |

| item                                                                              |             | Accuracy          | Max Pressure (PSI) | Output         |
|-----------------------------------------------------------------------------------|-------------|-------------------|--------------------|----------------|
|  | EW-68075-50 | ±0.25% full-scale | 250                | 0.5 to 5.5 VDC |
|  | EW-68075-54 | ±0.25% full-scale | 1000               | 0.5 to 5.5 VDC |

# Cole-Parmer® Very-Low Differential Pressure Transducers



Uni- and bi-directional pressure measurement offer high accuracy for building energy management

- Static accuracy of  $\pm 1\%$
- Fully protected against reverse wiring
- Fire retardent case is UL 94 V-0 approved

Low-pressure transducers sense gauge or differential pressure and convert to a proportional output. Utilizing an improved stainless steel micro-tig welded sensor, positive pressure moves the diaphragm toward the electrode, increasing capacitance. A decrease in pressure moves the diaphragm away from the electrode, decreasing the capacitance. Change in capacitance is converted to a linear DC electrical signal through the transducer's circuit. Transducers are designed for HVAC, air volume and fan control, static duct and clean-room pressures, and environmental pollution control.

| item                                                                                                      | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|-----------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div>EW-98073-02</div> | 0.5                  | 0                    | 4 to 20 mA |

| item                                                                                                                                     | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="126 253 256 376"></div> EW-98073-04     | 1                    | 0                    | 4 to 20 mA |
| <div data-bbox="126 772 256 896"></div> EW-98073-06     | 2.5                  | 0                    | 4 to 20 mA |
| <div data-bbox="126 1288 256 1411"></div> EW-98073-08 | 5                    | 0                    | 4 to 20 mA |

| item                                                                                                                                     | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="124 253 256 376"></div> EW-98073-10     | 10                   | 0                    | 4 to 20 mA |
| <div data-bbox="124 768 256 891"></div> EW-98073-12     | 25                   | 0                    | 4 to 20 mA |
| <div data-bbox="124 1283 256 1406"></div> EW-98073-14 | 50                   | 0                    | 4 to 20 mA |

| item                                                                                                                                     | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="124 253 256 376"></div> EW-98073-16     | 100                  | 0                    | 4 to 20 mA |
| <div data-bbox="124 768 256 891"></div> EW-98073-18     | 0.25                 | 0                    | 0 to 5 VDC |
| <div data-bbox="124 1283 256 1406"></div> EW-98073-20 | 0.5                  | 0                    | 0 to 5 VDC |

| item                                                                                                                                     | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="126 253 256 376"></div> EW-98073-22     | 1                    | 0                    | 0 to 5 VDC |
| <div data-bbox="126 770 256 893"></div> EW-98073-24     | 2.5                  | 0                    | 0 to 5 VDC |
| <div data-bbox="126 1288 256 1411"></div> EW-98073-26 | 5                    | 0                    | 0 to 5 VDC |

| item                                                                                            | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|-------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
|  EW-98073-28   | 10                   | 0                    | 0 to 5 VDC |
|  EW-98073-30   | 25                   | 0                    | 0 to 5 VDC |
|  EW-98073-32 | 50                   | 0                    | 0 to 5 VDC |

| item                                                                                            | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|-------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
|  EW-98073-34   | 100                  | 0                    | 0 to 5 VDC |
|  EW-98073-36   | 0.1                  | -0.1                 | 4 to 20 mA |
|  EW-98073-38 | 0.25                 | -0.25                | 4 to 20 mA |

| item                                                                                                                                     | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="124 253 256 376"></div> EW-98073-40     | 0.5                  | -0.5                 | 4 to 20 mA |
| <div data-bbox="124 768 256 891"></div> EW-98073-42     | 1                    | -1                   | 4 to 20 mA |
| <div data-bbox="124 1283 256 1406"></div> EW-98073-44 | 2.5                  | -2.5                 | 4 to 20 mA |

| item                                                                                                                                                                              | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="124 253 256 376"></div> <div data-bbox="256 253 584 376">EW-98073-46</div>       | 5                    | -5                   | 4 to 20 mA |
| <div data-bbox="124 768 256 891"></div> <div data-bbox="256 768 584 891">EW-98073-48</div>       | 10                   | -10                  | 4 to 20 mA |
| <div data-bbox="124 1283 256 1406"></div> <div data-bbox="256 1283 584 1406">EW-98073-50</div> | 25                   | -25                  | 4 to 20 mA |
| <div data-bbox="124 1720 256 1843"></div> <div data-bbox="256 1720 584 1843">EW-98073-52</div> | 50                   | -50                  | 4 to 20 mA |

| item                                                                                            | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|-------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
|  EW-98073-54   | 0.1                  | -0.1                 | 1 to 5 VDC |
|  EW-98073-58   | 0.5                  | -0.5                 | 1 to 5 VDC |
|  EW-98073-60 | 1                    | -1                   | 1 to 5 VDC |

| item                                                                                            | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|-------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
|  EW-98073-62   | 2.5                  | -2.5                 | 1 to 5 VDC |
|  EW-98073-64   | 5                    | -5                   | 1 to 5 VDC |
|  EW-98073-66 | 10                   | -10                  | 1 to 5 VDC |

| item                                                                                                                                 | Max Pressure (in WC) | Min Pressure (in WC) | Output     |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|------------|
| <div data-bbox="126 255 256 376"></div> EW-98073-68 | 25                   | -25                  | 1 to 5 VDC |
| <div data-bbox="126 685 256 806"></div> EW-98073-70 | 50                   | -50                  | 1 to 5 VDC |

# Cole-Parmer® High-Accuracy Gauge Pressure Transmitters



Welded stainless steel (SS) housing rated to NEMA 4 (IP65) standards

Transducers feature SS capacitive sensor for your more demanding systems—even ElectroMagnetic Interference (EMI) /Radio Frequency Interference (RFI) resistance ensures accurate and consistent performance in any environment.

Transducers feature adjustable zero and span potentiometers. Transducers with 4 to 20 mA output have red (positive power) and black (output) wires. Transducers with 0.1 to 5.1 V output have red (positive power) , green (output) , and white/black (common) wires.

| item                                                                                            | Max Pressure (PSI) | Output     | Resolution |
|-------------------------------------------------------------------------------------------------|--------------------|------------|------------|
|  EW-68073-08 | 25                 | 4 to 20 mA |            |

| item                                                                                            | Max Pressure (PSI) | Output     | Resolution |
|-------------------------------------------------------------------------------------------------|--------------------|------------|------------|
|  EW-68073-10   | 50                 | 4 to 20 mA |            |
|  EW-68073-12   | 100                | 4 to 20 mA |            |
|  EW-68073-14 | 500                | 4 to 20 mA |            |

| item                                                                                            | Max Pressure (PSI) | Output         | Resolution |
|-------------------------------------------------------------------------------------------------|--------------------|----------------|------------|
|  EW-68073-18   | 3000               | 4 to 20 mA     |            |
|  EW-68074-08   | 25                 | 0.1 to 5.1 VDC |            |
|  EW-68074-14 | 500                | 0.1 to 5.1 VDC |            |

| item                                                                                          | Max Pressure (PSI) | Output         | Resolution |
|-----------------------------------------------------------------------------------------------|--------------------|----------------|------------|
|  EW-68074-18 | 3000               | 0.1 to 5.1 VDC |            |

# Cole-Parmer® Wet/Wet Differential Pressure Transmitters



These differential pressure transmitters are ideal for filter pressure drop monitoring and pumphead pressure applications

Capacitance sensor allows ports to be wet/wet, wet/dry, or dry/dry. Unique isolation system responds quickly to pressure changes—20 times faster than fluid-filled transmitters. The rugged NEMA 4 (IP65) housing withstands harsh environments normally found in process control, liquid-level measurement, and energy management. All transmitters have screw terminal connections.

| item                                                                                            | Accuracy          | Wetted Materials  | Description                                             |
|-------------------------------------------------------------------------------------------------|-------------------|-------------------|---------------------------------------------------------|
|  EW-68071-52 | ±0.25% full-scale | 17-4PH SS, Viton® | 0 to 1.0 psid Wet/Wet Differential Pressure Transmitter |

| item                                                                                            | Accuracy          | Wetted Materials     | Description                                                         |
|-------------------------------------------------------------------------------------------------|-------------------|----------------------|---------------------------------------------------------------------|
|  EW-68071-54   | ±0.25% full-scale | 17-4PH SS,<br>Viton® | 0 to 2.5 psid<br>Wet/Wet<br>Differential<br>Pressure<br>Transmitter |
|  EW-68071-56   | ±0.25% full-scale | 17-4PH SS,<br>Viton® | 0 to 5.0 psid<br>Wet/Wet<br>Differential<br>Pressure<br>Transmitter |
|  EW-68071-60 | ±0.25% full-scale | 17-4PH SS,<br>Viton® | 0 to 25 psid<br>Wet/Wet<br>Differential<br>Pressure<br>Transmitter  |
|  EW-68071-62 | ±0.25% full-scale | 17-4PH SS,<br>Viton® | 0 to 50 psid<br>Wet/Wet<br>Differential<br>Pressure<br>Transmitter  |

# Cole-Parmer Barometric Pressure Transmitter, 800 to 1100 hPa/mb



Cole-Parmer – Item # EW-98072-40

Excellent response time and long-term stability

- Sleep mode ensures instant start-up
- Low power consumption — 3 mA nominal
- 1 year warranty

## Specifications & Description

- |                                                                  |
|------------------------------------------------------------------|
| • Accuracy $\pm 0.3$ hPa/mb                                      |
| • Process Connection $1/8$ " hose barb                           |
| • Electrical Connections3 or 4 wire                              |
| • Output0 to 5 VDC                                               |
| • Media CompatibilityNoncondensing gases                         |
| • Resolution0.01 mb                                              |
| • DescriptionBarometric Pressure Transmitter, 800 to 1100 hPa/mb |
| • Warranty1 year                                                 |
| • Power9.5 to 28 VDC                                             |



## MORE ABOUT THIS ITEM

Low-cost barometric pressure transducers are designed for use in environmental applications that require excellent accuracy, fast response, and long term reliability. Accurate signal conditioning and environmental compensation are provided by a capacitive sensor and proprietary custom IC circuit.

Housing is constructed of stainless steel and polyester that withstand environmental extremes. A removable 5-pin terminal strip enables easy wiring connection to datalogger and signal connections. Pressure connection is a  $1/8$ " barbed fitting.

# Cole-Parmer® Gauge Pressure Transducers, 316 SS



Perfect for high-purity gas delivery systems, semiconductor processes, and control applications that require ultraclean operation and exceptional long-term stability

- Ideal for demanding applications that require corrosion resistance
- Features ElectroMagnetic Interference (EMI) and Radio Frequency Interference (RFI) shielding where noise could interrupt a transmitter signal

Rotate cover to access zero and span potentiometers. Transmitters with 4 to 20 mA output have red (positive power) and black (output) wires. Transmitters with 0.2 to 5.2 V output have red (positive power) , green (output) , and black (common) wires.

| item                                                                                                      | Max Pressure (PSI) | Output     |
|-----------------------------------------------------------------------------------------------------------|--------------------|------------|
| <div>EW-68072-10</div> | 250                | 4 to 20 mA |

| item                                                                                            | Max Pressure (PSI) | Output       |
|-------------------------------------------------------------------------------------------------|--------------------|--------------|
|  EW-68072-12   | 500                | 4 to 20 mA   |
|  EW-68072-36   | 25                 | 0.2 to 5.2 V |
|  EW-68072-40 | 100                | 0.2 to 5.2 V |

# Cole-Parmer® Compound Pressure Transducers, 316 SS



Perfect for high-purity gas delivery systems, semiconductor processes, and control applications that require ultraclean operation and exceptional long-term stability

- Ideal for demanding applications that require corrosion resistance
- Features ElectroMagnetic Interference (EMI) and Radio Frequency Interference (RFI) shielding where noise could interrupt a transmitter signal

Rotate cover to access zero and span potentiometers. Transmitters with 4 to 20 mA output have red (positive power) and black (output) wires. Transmitters with 0.2 to 5.2 V output have red (positive power) , green (output) , and black (common) wires.

| item                                                                                            | Max Pressure (PSI) | Max Vacuum (" Hg) | Output     |
|-------------------------------------------------------------------------------------------------|--------------------|-------------------|------------|
|  EW-68072-00 | 25                 | 30                | 4 to 20 mA |
|  EW-68072-02 | 100                | 30                | 4 to 20 mA |

# Cole-Parmer Multiconfigurable Pressure Transmitter w/ Display, 5-50 psi



Cole-Parmer – Item # EW-98073-72

Measure eight pressure ranges in a single unit

- Choose models with LCD for on-site indication of pressure
- 1 year warranty

## Specifications & Description

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| • Accuracy               | ±1% full-scale; ±2% full-scale at lowest psi rating         |
| • Min Pressure (PSID)    | -50                                                         |
| • Max Pressure (PSID)    | 50                                                          |
| • Wetted Materials       | 17-4PH SS                                                   |
| • Case                   | aluminum                                                    |
| • Process Connection     | 1/8" NPT(F)                                                 |
| • Unit Of Measurement    | psid                                                        |
| • Display                | 3.5-digit LCD, 5/8" (1.6 cm) H                              |
| • Battery Type           | 13 to 30 VDC/VAC, 3-wire                                    |
| • Electrical Connections | 2- and 3-wire                                               |
| • Output                 | 4 to 20 mA; 1 to 5, 0 to 5, 0 to 10 VDC                     |
| • Enclosure Rating       | NEMA 4                                                      |
| • Media Compatibility    | Gases and liquids compatible with wetted materials          |
| • Description            | Multiconfigurable Pressure Transmitter w/ Display, 5-50 psi |
| • Warranty               | 1 year                                                      |



### MORE ABOUT THIS ITEM

These feature-rich, multiconfigurable wet-to-wet differential pressure transducers provides you with field-accessible pressure ranging, choice of output, and zeroing. Each unit has four unidirectional and four bidirectional switch-selectable ranges — read positive and negative gauge and differential pressure ranges, giving you eight pressure ranges in one transducer! All controls are contained in a NEMA 4 rated, cast aluminum housing that is easily accessible in the field.



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