# EPS Series (-1001) Digital Pressure Sensors

## Features
- Ideal for industrial pressure measurement and indication in both gas and liquid applications
- Measuring ranges from vacuum up to 5800 psig
- Selectable engineering units include psig, bar, mbar, kPa, MPa, inH₂O, and inHg
- 1/4" NPT male process connection allows for direct installation without requiring extra fittings
- 2 solid state switch outputs provide a reliable alternative to mechanical pressure switches
- Output 2 can be configured as a scalable analog signal turning the unit into a combination pressure switch and transmitter
- Built-in two-color 4-digit display is easy to read from a distance and provides indication of measured pressure and switch setpoints
- Display can be set to change color between red and green based on measured value or output status and rotated 180° for installation flexibility
- 2 large bright LEDs indicate output status
- Sensor housing can be rotated 345° for optimum visibility after installation
- Simple pushbutton setup for easy and quick configuration prior to installation without the need for a separate pressure reference gauge
- Stainless steel housing allows for a high IP67 ingress protection rating
- 4-pin M12 electrical connection
- Protective cover and mounting bracket are available accessories
- Compact and robust design and construction withstands extreme shock and vibration, provides high accuracy and reliability, and incorporates the best combination of over pressure, burst pressure and long term stability for each measuring range
- 3-year warranty

## EPS Series (-1001) Digital Pressure Sensors

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Pcs/Pkg</th>
<th>Wt (lb)</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS25-V14-1001</td>
<td>ProSense digital pressure sensor, -14.5 to 14.5 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-100WC-1001</td>
<td>ProSense digital pressure sensor, -6 to 100.4 inches of water column range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-14-1001</td>
<td>ProSense digital pressure sensor, -72 to 14.5 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-36-1001</td>
<td>ProSense digital pressure sensor, -1.8 to 36.25 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-V145-1001</td>
<td>ProSense digital pressure sensor, -14.6 to 145 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-360-1001</td>
<td>ProSense digital pressure sensor, -14.5 to 362.5 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-1450-1001</td>
<td>ProSense digital pressure sensor, -0 to 1450 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-3620-1001</td>
<td>ProSense digital pressure sensor, -0 to 3625 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
<tr>
<td>EPS25-5800-1001</td>
<td>ProSense digital pressure sensor, 0 to 5800 psi range, output 1: switch (N.O./N.C.), PNP/NPN selectable, output 2: switch (N.O./N.C.), PNP/NPN selectable or 4-20 mA/0-10 VDC, 1/4 in male NPT process connection, 4-pin M12 quick-disconnect, 18-30 VDC operating voltage, 4-digit, two-color LED display, for use with compatible liquids or gases.</td>
<td>1</td>
<td>0.5</td>
<td>$275.00</td>
</tr>
</tbody>
</table>

* For gas applications 362 psi (25 bar) maximum pressure!

**Note:** Check the chemical compatibility of the sensor’s wetted parts with the medium to be measured.
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Measuring Range</th>
<th>Setting Range</th>
<th>Reset Point, rP</th>
<th>Analog Start Point, ASP</th>
<th>Analog End Point, AEP</th>
<th>Steps</th>
<th>Proof Pressure</th>
<th>Bursting Pressure</th>
<th>Vacuum Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS25-V14-1001</td>
<td>-1.4 to 14.5 psig</td>
<td>-10 to 1000 mbar</td>
<td>0.1 to 100 inHg</td>
<td>-4.4 to 14.5 psig</td>
<td>-1.7 to 29.0 psig</td>
<td>0.10</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1470 inHg</td>
</tr>
<tr>
<td></td>
<td>-100 to 1000 mbar</td>
<td></td>
<td></td>
<td>-4.8 to 14.5 psig</td>
<td>-12.5 to 200 psig</td>
<td>0.10</td>
<td>2000 psig</td>
<td>20000 mbar</td>
<td>2000 inHg</td>
</tr>
<tr>
<td></td>
<td>-20 to 200 mbar</td>
<td></td>
<td></td>
<td>-5 to 200 psig</td>
<td>-12.5 to 200 psig</td>
<td>0.10</td>
<td>6000 psig</td>
<td>60000 mbar</td>
<td>60000 mbar</td>
</tr>
<tr>
<td>EPS25-1001</td>
<td>-0.4 to 14.5 psig</td>
<td>-50 to 1000 kPa</td>
<td>-0.1 to 1 MPa</td>
<td>-0.7 to 11.6 psig</td>
<td>-0.12 to 2.0 psig</td>
<td>0.05</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>-5 to 100 kPa</td>
<td></td>
<td></td>
<td>-4.8 to 99.6 psig</td>
<td>-5 to 80 psig</td>
<td>0.15</td>
<td>1000 psig</td>
<td>10000 mbar</td>
<td>12000 inHg</td>
</tr>
<tr>
<td></td>
<td>-20 to 401.5 inHg</td>
<td></td>
<td></td>
<td>-0.95 to 2.5 bar</td>
<td>-16 to 200 psig</td>
<td>0.05</td>
<td>5000 psig</td>
<td>50000 mbar</td>
<td>50000 mbar</td>
</tr>
<tr>
<td>EPS25-36-1001</td>
<td>-1.4 to 14.5 psig</td>
<td>-100 to 1000 kPa</td>
<td>-0.1 to 1 MPa</td>
<td>-0.7 to 11.6 psig</td>
<td>-0.12 to 2.0 psig</td>
<td>0.05</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>-1.8 to 36.25 psig</td>
<td></td>
<td></td>
<td>-1.2 to 2.49 bar</td>
<td>-12.5 to 200 psig</td>
<td>0.05</td>
<td>5000 psig</td>
<td>50000 mbar</td>
<td>50000 mbar</td>
</tr>
<tr>
<td></td>
<td>-0.125 to 2.5 bar</td>
<td></td>
<td></td>
<td>-1.8 to 29.0 psig</td>
<td>-0.125 to 2.0 psig</td>
<td>0.05</td>
<td>5000 psig</td>
<td>50000 mbar</td>
<td>50000 mbar</td>
</tr>
<tr>
<td>EPS25-V145-1001*</td>
<td>-1.4 to 14.5 psig</td>
<td>-10 to 10 bar</td>
<td>-0.1 to 1 MPa</td>
<td>-1.4 to 116 psig</td>
<td>-0.1 to 1 MPa</td>
<td>0.02</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>-13.6 to 145 psig</td>
<td></td>
<td></td>
<td>-0.98 to 9.96 psig</td>
<td>-0.99 to 9.96 psig</td>
<td>0.05</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td>EPS25-36-1001*</td>
<td>-1.4 to 14.5 psig</td>
<td>-100 to 1000 kPa</td>
<td>-0.1 to 1 MPa</td>
<td>-1.2 to 2.49 bar</td>
<td>-0.1 to 2 MPa</td>
<td>0.02</td>
<td>1500 psig</td>
<td>15000 mbar</td>
<td>15000 mbar</td>
</tr>
<tr>
<td></td>
<td>-12 to 36.25 psig</td>
<td></td>
<td></td>
<td>-1.8 to 29.0 psig</td>
<td>-0.125 to 2.0 psig</td>
<td>0.02</td>
<td>1500 psig</td>
<td>15000 mbar</td>
<td>15000 mbar</td>
</tr>
<tr>
<td></td>
<td>-0.85 to 2.5 bar</td>
<td></td>
<td></td>
<td>-1.8 to 29.0 psig</td>
<td>-0.125 to 2.0 psig</td>
<td>0.02</td>
<td>1500 psig</td>
<td>15000 mbar</td>
<td>15000 mbar</td>
</tr>
<tr>
<td>EPS25-1450-1001*</td>
<td>0 to 1450 psig</td>
<td>0 to 1000 bar</td>
<td>0 to 10 MPa</td>
<td>0 to 144 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>0.6 to 100 bar</td>
<td></td>
<td></td>
<td>0.4 to 29.6 psig</td>
<td>0 to 800 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>0.06 to 10 MPa</td>
<td></td>
<td></td>
<td>0.02 to 9.96 psig</td>
<td>0 to 800 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td>EPS25-3620-1001</td>
<td>0 to 3625 psig</td>
<td>0 to 1000 bar</td>
<td>0 to 10 MPa</td>
<td>0 to 2900 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>1.5 to 250 bar</td>
<td></td>
<td></td>
<td>10 to 3610 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>0.15 to 25 MPa</td>
<td></td>
<td></td>
<td>0.05 to 24.9 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td>EPS5-5800-1001</td>
<td>0 to 5800 psig</td>
<td>0 to 1000 bar</td>
<td>0 to 10 MPa</td>
<td>0 to 4640 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>2.5 to 400 bar</td>
<td></td>
<td></td>
<td>10 to 5870 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
<tr>
<td></td>
<td>0.25 to 40 MPa</td>
<td></td>
<td></td>
<td>0.1 to 398.5 psig</td>
<td>0 to 200 psig</td>
<td>0.15</td>
<td>290 psig</td>
<td>2000 mbar</td>
<td>1200 inHg</td>
</tr>
</tbody>
</table>

*For gas applications 362 psig (25 bar) maximum pressure!

**WARNING! AVOID STATIC AND DYNAMIC OVERPRESSURE EXCEEDING THE SPECIFIED PROOF PRESSURE. EXCEEDING THE BURSTING PRESSURE FOR EVEN A SHORT TIME CAN CAUSE DESTRUCTION OF THE UNIT AND POSSIBLE INJURIES!**
## ProSense EPS (-1001) Series General Specifications

### Electrical

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage*</td>
<td>18 to 30 VDC</td>
</tr>
<tr>
<td>Current Consumption</td>
<td>&lt; 35mA</td>
</tr>
<tr>
<td>Insulation Resistance</td>
<td>&gt; 100MΩ (500VDC)</td>
</tr>
<tr>
<td>IEC Protection Class</td>
<td>Class III</td>
</tr>
<tr>
<td>Reverse Polarity Protection</td>
<td>yes</td>
</tr>
</tbody>
</table>

### Outputs

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUT1</td>
<td>switch</td>
</tr>
<tr>
<td>OUT2</td>
<td>switch or analog</td>
</tr>
</tbody>
</table>

### Switch Outputs

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>PNP or NPN selectable</td>
</tr>
<tr>
<td>Action</td>
<td>N.O. or N.C. selectable</td>
</tr>
<tr>
<td>Current Rating</td>
<td>250mA resistive</td>
</tr>
<tr>
<td>Voltage Drop</td>
<td>&lt; 2V</td>
</tr>
<tr>
<td>Short Circuit Protection</td>
<td>Yes (non-latching)</td>
</tr>
<tr>
<td>Overload Protection</td>
<td>Yes</td>
</tr>
<tr>
<td>Switching Frequency</td>
<td>≤ 500Hz</td>
</tr>
<tr>
<td>Function</td>
<td>Hysteresis or window</td>
</tr>
</tbody>
</table>

### Analog Output

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>4-20 mA or 0-10 VDC selectable</td>
</tr>
<tr>
<td>Load</td>
<td>500Ω max (4-20 mA), 2000Ω min (0-10VDC)</td>
</tr>
</tbody>
</table>

### Accuracy / Deviations (in % of the span) Turn down 1:1

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch Point Accuracy</td>
<td>&lt; ± 0.4% of the span</td>
</tr>
<tr>
<td>Characteristics Deviation*</td>
<td>&lt; ± 0.25 (BFSL) / &lt; ± 0.5 (LS)</td>
</tr>
<tr>
<td>Hysteresis</td>
<td>&lt; ± 0.1</td>
</tr>
<tr>
<td>Repeatability**</td>
<td>&lt; ± 0.1</td>
</tr>
<tr>
<td>Long-term Stability***</td>
<td>&lt; ± 0.05</td>
</tr>
</tbody>
</table>

### Temperature Coefficients (TEMPCO) in the temperature range -25 to 80°C (in % of the span per 10°C)

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Greatest TEMPCO of the zero point</td>
<td>0.2</td>
</tr>
<tr>
<td>Greatest TEMPCO of the span</td>
<td>0.2</td>
</tr>
</tbody>
</table>

### Reaction Times

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power-on Delay Time</td>
<td>0.3 s</td>
</tr>
<tr>
<td>Min. Response Time Switching Output</td>
<td>&lt; 1.5 ms</td>
</tr>
<tr>
<td>Delay Time Programmable (dS, dr)</td>
<td>0 to 50s</td>
</tr>
<tr>
<td>Damping for the Switching Output (dAP)</td>
<td>0 to 4s</td>
</tr>
<tr>
<td>Damping for the Analog Output (dAA)</td>
<td>0 to 4s</td>
</tr>
<tr>
<td>Response Time Analog Output</td>
<td>&lt; 3ms</td>
</tr>
<tr>
<td>Integrated Watchdog</td>
<td>yes</td>
</tr>
</tbody>
</table>
### ProSense EPS (-1001) Series General Specifications Continued

**Environment**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>-13 to 176°F [-25 to 80°C]</td>
</tr>
<tr>
<td>Medium Temperature</td>
<td>-13 to 176°F [-25 to 80°C]</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to 212°F [-40 to 100°C]</td>
</tr>
<tr>
<td>Protection</td>
<td>IP65 / IP67</td>
</tr>
</tbody>
</table>

**Mechanical**

<table>
<thead>
<tr>
<th>Specification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Process Connection</td>
<td>1/4&quot; NPT male</td>
</tr>
<tr>
<td>Materials (wetted parts)²</td>
<td>&lt; 3600 psig measuring range: Stainless steel 316L (DIN 1.4404); Ceramics; FKM</td>
</tr>
<tr>
<td></td>
<td>&gt; 3600 psig measuring range: Stainless steel 17-4 / 630 (DIN 1.4542)</td>
</tr>
<tr>
<td>Housing Materials</td>
<td>Stainless steel 17-4 PH / 630 (DIN 1.4542); stainless steel 316L (DIN 1.4404); PBT+PC-GF 30; PBT-GF 20; PC</td>
</tr>
<tr>
<td>Min. Pressure Cycles</td>
<td>100 million</td>
</tr>
<tr>
<td>Tightening Torque</td>
<td>50Nm (depends on lubrication, seal and pressure rating)</td>
</tr>
<tr>
<td>Restrictor Element Integrated</td>
<td>no</td>
</tr>
</tbody>
</table>

**Displays**

<table>
<thead>
<tr>
<th>Specification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Units</td>
<td>3, 4 or 5 x LED green (depending on model), 10mm character height</td>
</tr>
<tr>
<td>Switching Status</td>
<td>2 x LED yellow</td>
</tr>
<tr>
<td>Measured Values</td>
<td>4-digit alphanumeric display / alternating indication of red and green</td>
</tr>
</tbody>
</table>

**Electrical Connection**

<table>
<thead>
<tr>
<th>Specification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>4-pin M12 quick-disconnect; gold-plated contacts</td>
</tr>
</tbody>
</table>

**Tests / Approvals**

<table>
<thead>
<tr>
<th>Specification</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Equipment Directive</td>
<td>97/23/EG: Group 2 (Non-Hazardous, Nonflammable, Non-Oxidizing fluids or gases) in accordance with sound engineering practice</td>
</tr>
<tr>
<td>EMC</td>
<td>DIN EN 61000-6-2; DIN EN 61000-6-3</td>
</tr>
<tr>
<td>Shock Resistance</td>
<td>DIN EN 60068-2-27 (50g 11ms)</td>
</tr>
<tr>
<td>Vibration Resistance</td>
<td>DIN EN 60068-2-6 (20g 10 to 2000 Hz)</td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>UL file # E320431, CE, RoHS</td>
</tr>
</tbody>
</table>

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* BFSL = Best fit straight line / LS = Limit value setting
** With temperature fluctuations < 10°C
*** In % of the span / 6 months
¹ To EN50178, SELV, PELV
² Not cleaned for oxygen service

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**EPS Series (-1001) Digital Pressure Sensors**

For the latest prices, please check AutomationDirect.com.
EPS Series (-1001) Digital Pressure Sensors

EPS Wiring Diagram

Note: Wiring colors are based on AutomationDirect CD12L and CD12M 4-pole cable assemblies.

EPS 1001 Series Wiring Examples

Dimensions

mm [inches]

See our website www.AutomationDirect.com for complete Engineering drawings.
**ProSense EPS Series Digital Pressure Sensors**

**Overview**

AutomationDirect’s ProSense EPS Series of Digital Pressure Sensors is ideal for industrial pressure measurement and indication in both gas and liquid applications. Measuring ranges are available from vacuum up to 5800 psig as well as other selectable engineering units such as bar, mbar, kPa, MPa, inches of water column, and inches of mercury. The standard 1/4” NPT male process connection allows for direct installation without requiring extra fittings. With no moving parts such as pistons or springs that can stick or break, the two solid state switch outputs provide a reliable alternative to mechanical pressure switches. Models are also available that allow the second output to be configured as a scalable analog signal turning the unit into a combination pressure switch and transmitter. The built-in two-color digital display is easy to read from a distance and provides indication of measured pressure and switch setpoints. It can be set to change color between red and green based on measured value or output status and rotated 180° for installation flexibility. Two large bright LEDs indicate output status. For optimum visibility the sensor housing can be rotated 345° after installation. Simple pushbutton setup allows the EPS to be easily and quickly configured prior to installation without the need for a separate pressure reference gauge. Encased in a stainless steel housing the EPS allows for a high IP67 ingress protection rating achieving its atmospheric pressure reference via the 4-pin M12 electrical connection. A protective cover and mounting bracket are available accessories. The compact and robust design and construction of the ProSense EPS series withstands extreme shock and vibration, provides high accuracy and reliability, and incorporates the best combination of over pressure, burst pressure and long term stability for each measuring range.

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<table>
<thead>
<tr>
<th>Part Number</th>
<th>Price</th>
<th>Pressure Range</th>
<th>Selectable Engineering Units</th>
<th>Process Connection</th>
<th>Electrical Connection</th>
<th>Operating Voltage</th>
<th>Outputs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS25-V14-1001</td>
<td>$275.00</td>
<td>-14.5 to 14.5 psig</td>
<td>psig, mbar, kPa, inH₂O, inHg</td>
<td>1/4” NPT male</td>
<td>4-pin M12</td>
<td>18 to 30 VDC</td>
<td>OUT 1: Switch (selectable N.O. or N.C. / PNP or NPN)</td>
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<tr>
<td>EPS25-100WC-1001</td>
<td>$275.00</td>
<td>-5 to 100.4 inH₂O</td>
<td>inH₂O, mbar, kPa, mmWS</td>
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<td>OUT 2: Switch (selectable N.O. or N.C. / PNP or NPN)</td>
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<tr>
<td>EPS25-14-1001</td>
<td>$275.00</td>
<td>-0.72 to 14.5 psig</td>
<td>psig, mbar, kPa, inH₂O</td>
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<td></td>
<td>Analog (selectable 4-20 mA or 0-10 VDC)</td>
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<tr>
<td>EPS25-36-1001</td>
<td>$275.00</td>
<td>-1.8 to 36.25 psig</td>
<td>psig, bar, kPa</td>
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<tr>
<td>EPS25-V145-1001*</td>
<td>$275.00</td>
<td>-14.6 to 145 psig</td>
<td>psig, bar, MPa</td>
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<tr>
<td>EPS25-1450-1001*</td>
<td>$275.00</td>
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<td>psig, bar, MPa</td>
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<td>0 to 3625 psig</td>
<td>psig, bar, MPa</td>
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<tr>
<td>EPS25-5800-1001*</td>
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<td>psig, bar, MPa</td>
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<tr>
<td>EPS25-V14-1003</td>
<td>$242.00</td>
<td>-14.5 to 14.5 psig</td>
<td>psig, mbar, kPa, inH₂O</td>
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<td>OUT 1: Switch (selectable N.O. or N.C. / PNP or NPN)</td>
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<tr>
<td>EPS25-14-1003</td>
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<td>0 to 14.5 psig</td>
<td>psig, mbar, kPa, inH₂O</td>
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<td>OUT 2: Switch (selectable N.O. or N.C. / PNP or NPN)</td>
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<td>EPS25-36-1003</td>
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<tr>
<td>EPS25-V145-1003*</td>
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<tr>
<td>EPS25-1450-1003*</td>
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<td>psig, bar, MPa</td>
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<tr>
<td>EPS25-3620-1003*</td>
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<td>0 to 3620 psig</td>
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<tr>
<td>EPS25-5800-1003*</td>
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<td>0 to 5800 psig</td>
<td>psig, bar, MPa</td>
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</tbody>
</table>

* For gas applications 362 psig (25 bar) maximum pressure!
EPS Series Digital Pressure Sensors - Accessories

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Price</th>
<th>Wt (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPS-CV</td>
<td>ProSense protective cover, for use with ProSense EPS series digital pressure sensors.</td>
<td>$5.25</td>
<td>0.1</td>
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<tr>
<td>EPS-BKT1</td>
<td>ProSense mounting bracket, for use with ProSense EPS series digital pressure sensors.</td>
<td>$6.75</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Dimensions

mm [inches]

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See our website www.AutomationDirect.com for complete Engineering drawings.