The Series 644 High Accuracy Pressure Transmitter is a robust transmitter designed for high accuracy pressure applications. Boasting an accuracy of ±0.05% FS RSS (<±0.25% TEB), the 644 is intended for precise measurements in the critical applications of calibration technology, hydraulic/pneumatic controls, and many more laboratory and industrial settings. The Series 644 offers multiple measurement options with two output choices (VDC or mA) and ten psig pressure ranges (optional 0 to 15 psia). The robust and compact all stainless steel Series 644 is available with either a 1/4˝ male NPT, or 7/16˝-20 male SAE process connections. Each transmitter is provided with an 11 point NIST traceable calibration certificate.

### FEATURES
- High accuracy: ±0.05% F.S. RSS
- 15 to 1000 psig ranges (optional 0 to 15 psia)
- Two output options
- Low thermal error over wide temperature range

### APPLICATIONS
- Calibration equipment
- Test benches
- Pulp and paper mills
- Hydraulic/pneumatic controls
- Transportation
- Power generation

### ACCESSORY
A-495, 6-pin female bayonet mate connector $79.00

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### SPECIFICATIONS
- **Service:** Compatible gases and liquids.
- **Wetted Materials:** 17-4 PH SS.
- **Accuracy:** ±0.05% FS RSS.
- **Total Error Band (Includes all thermal effects):** <±0.25% FS over entire temperature compensated range.
- **Stability:** < 0.15% FS/year.
- **Temperature Limits:** -40 to 185°F (-40 to 85°C).
- **Pressure Limits:** Proof pressure and burst pressure: See pressure limits table below.
- **Compensated Temperature Range:** -4 to 140°F (-20 to 60°C).
- **Power Requirements:**
  - 9 to 30 VDC for current output;
  - 15 to 30 VDC for voltage output.
- **Output Signal:**
  - 0 to 10 VDC (4-wire);
  - 4 to 20 mA (2-wire).
- **Response Time:** < 10 ms (voltage output), < 80 ms (current output).
- **Max Current Consumption:**
  - 4 to 20 mA: 22 mA;
  - 0 to 10 VDC: 20 mA.
- **Electrical Connections:** 3 ft cable or 6-pin male bayonet.
- **Process Connection:** 1/4˝ male NPT or 7/16˝-20 male SAE with O-Ring.
- **Enclosure Rating:** NEMA 4X (IP65).
- **Mounting Orientation:** Vertical.
- **Weight:** 9 oz (254 g).
- **Agency Approval:** CE.

### Price
- Model 644 Industrial Pressure Transmitter $999.00

<table>
<thead>
<tr>
<th>Model</th>
<th>Electrical Connection</th>
<th>Signal Output</th>
<th>Range</th>
<th>Process Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>644</td>
<td>-L</td>
<td>-V</td>
<td>-</td>
<td>-P 1/4˝ male NPT</td>
</tr>
<tr>
<td></td>
<td>-B</td>
<td>-C</td>
<td>-</td>
<td>-S 7/16˝-20 SAE</td>
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</table>

### Range Table

<table>
<thead>
<tr>
<th>Range Number</th>
<th>Range</th>
<th>Proof Pressure</th>
<th>Burst Pressure</th>
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<tbody>
<tr>
<td>00</td>
<td>0 to -14.7 psig</td>
<td>30 psig</td>
<td>3000 psig</td>
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<tr>
<td>01</td>
<td>0 to 15 psig</td>
<td>30 psig</td>
<td>3000 psig</td>
</tr>
<tr>
<td>02</td>
<td>0 to 25 psig</td>
<td>50 psig</td>
<td>3000 psig</td>
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<tr>
<td>03</td>
<td>0 to 50 psig</td>
<td>100 psig</td>
<td>8000 psig</td>
</tr>
<tr>
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<td>200 psig</td>
<td>10000 psig</td>
</tr>
<tr>
<td>05</td>
<td>0 to 150 psig</td>
<td>300 psig</td>
<td>10000 psig</td>
</tr>
<tr>
<td>06</td>
<td>0 to 200 psig</td>
<td>400 psig</td>
<td>10000 psig</td>
</tr>
<tr>
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<td>10000 psig</td>
</tr>
<tr>
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<td>0 to 500 psig</td>
<td>800 psig</td>
<td>10000 psig</td>
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<tr>
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<td>10000 psig</td>
</tr>
<tr>
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<td>1500 psig</td>
<td>10000 psig</td>
</tr>
<tr>
<td>11</td>
<td>0 to 15 psia</td>
<td>30 psia</td>
<td>3000 psia</td>
</tr>
</tbody>
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Items are subject to Schedule B discounts.