**DESCRIPTION**

Precision Instrument Company's New tri-color bargraph fits into industry standard cutout and is designed, manufactured, assembled and tested in Tucson, AZ. USA.

**FEATURES**

- Microprocessor-based
- 10-32VDC or 90-265VAC Isolated power
- mADC or VDC Signal inputs
- Exclusive 2 year warranty program
- Special front plate markings available

---

**Display:** 51 segment bright LED bargraph display with four digit numeric.

**Housing:** 94V-0 rated ABS plastic or metal housing available.

**Power Input:** 10-32VDC or 90-265VAC, both are isolated

**Connector:** Plug-in screw terminal connector for 16-22 ga. wire with wire protector.

**Signal Inputs:** VDC/mADC (including 4-20mA)

**Scale Plate:** The standard scale plate is 0-100% however we can accomodate virtually any scale plate required

---

**SPECIFICATIONS @ 25C AMBIENT**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td># Segments on bargraph</td>
<td>51</td>
</tr>
<tr>
<td># Digits</td>
<td>Four -1999 to 9999</td>
</tr>
<tr>
<td>Analog Input Accuracy</td>
<td>±0.01%</td>
</tr>
<tr>
<td>Display Resolution</td>
<td>0.1%</td>
</tr>
<tr>
<td>Polarity</td>
<td>Unipolar</td>
</tr>
<tr>
<td>Zero &amp; Span</td>
<td>Yes</td>
</tr>
<tr>
<td>Response Time</td>
<td>75ms (10-90% of F.S.)</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>About 3 Watts</td>
</tr>
<tr>
<td>Power Input Isolated</td>
<td>10-32VDC</td>
</tr>
<tr>
<td>Power Input Isolated</td>
<td>90-265VAC</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0-60°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20 to 70°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>5-95% Non-condensing</td>
</tr>
<tr>
<td>MTBF (Calculated)</td>
<td>&gt;50,000Hrs</td>
</tr>
<tr>
<td>Temp. Coefficient</td>
<td>±0.005%/°C</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 Years</td>
</tr>
</tbody>
</table>

---

E-MAIL: sales@PrecisionInstrument.com
http://www.PrecisionInstrument.com
PE (Edgewise)  
PS (Switchboard)  

SIGNAL INPUT (ZIN OHMS)  
1 ................................ (100) 4-20mADC  
2 ........................................ (1M) 0-1VDC  
3 .................................... (1M) 0-10VDC  
4 ...................................... (1M) 1-5VDC  
5 ...........................(1M) -5VDC to +5VDC  

POWER INPUT  
1 ........................................ 10-32VDC Isolated  
2 ........................................ 90-265VAC Isolated  

Housing  
0...Plastic Vertical mount  
1...Plastic Horizontal mount  
2...Aluminum Vertical mount  
3...Aluminum Horizontal mount  
**Vertical or Horizontal mount for PE series only**  

POWER INPUT  
1 .................................... 10-32VDC Isolated  
2 .................................. 90-265VAC Isolated  

**Vertical or Horizontal mount for PE series only**  

MECHANICAL FOR ALL "SWITCHBOARD" STYLE METERS  

Note:  

7212 E. River Canyon Way  
Tucson, Az. 85750 USA  
MADE IN USA  
E-MAIL:sales@PrecisionInstrument.com  
http://www.PrecisionInstrument.com
NOTE:
PE Series TS1 is signal input, TS5 is power input
PS Series TS2 is signal input, TS1 is power input