**Probes**

**Probe P/N**

**100-PL 16 example: 100-PLP1603L-B**

- **Letter**
  - L: Low
  - S: Standard
  - H: High
  - X: Extra
  - U: Ultra

- **Digits**
  - 01: Spear
  - 02: Cup
  - 03: Chisel
  - 04: Triad
  - 05: Torch
  - 06: Star
  - 08: Triad
  - 09: Serrated
  - 10: Flat
  - 11: Spear
  - 13: Chisel
  - 24: Crown
  - 30: Round

- **Material/Finish**
  - P: Nickel silver/ID precious metal clad
  - G: Nickel silver/OD gold plated
  - N: Nickel silver/no finish

- **Current Rating**
  - MW @ 120°C
  - SS @ 204°C

- **Average resistance**
  - P: < 20 mOhms
  - G: < 25 mOhms
  - N: < 45 mOhms

- **Current Rating**
  - P: 14.0 Amps
  - G: 12.0 Amps
  - N: 10.0 Amps

- **Material/Finish**
  - Nickel silver/ID precious metal clad
  - Nickel silver/OD gold plated
  - Nickel silver/no finish

- **Option**
  - B: Curved tube (pylon replacement)
  - N: No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications requiring operating temperatures below -55°C.

**Spring Force**

- **Spring Force**
  - 0.050 [1.27]
  - 0.055 [1.40]

- **Spring**
  - L: Low
  - S: Standard
  - H: High
  - X: Extra
  - U: Ultra

- **Preload**
  - @ 2/3 Stroke
  - MW: 1M @ 0.107 [2.72]

- **Material**
  - SS: Stainless steel

- **Cycle Life**
  - @ Stroke
  - MW: 1M @ 0.107 [2.72]

**Tip Style**

- **Tip Style**
  - P: Pointed
  - C: Concave
  - R: Round

**Option**

- **Option**
  - B: Curved tube (pylon replacement)
  - N: No probe lubrication. Removing probe lubrication greatly reduces cycle life and should only be used in applications requiring operating temperatures below -55°C.

**Application Notes**

1. Current Rating is affected by spring material and lubrication choices. Standard lubrication has a 120°C maximum operating temperature limit. Use SS springs with no lubrication (-N) for testing beyond standard lubrication temperature limits up to 204°C. Before using probes near these current limits, please refer to Current Carrying Capacity and Operating Temperature Application Notes.
100-16 SERIES

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged at:

<table>
<thead>
<tr>
<th>Hole Size</th>
<th>Drill Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>.0670 / .0690 [1.702 / 1.753]</td>
<td>1.75mm</td>
</tr>
</tbody>
</table>

Socket P/N

100-SD [160] example: 100-SDG160R

<table>
<thead>
<tr>
<th>Letter</th>
<th>Description</th>
<th>A in (mm)</th>
<th>B in (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Male round tube</td>
<td>1.228 [31.19]</td>
<td>.410 [10.41]</td>
</tr>
<tr>
<td>N</td>
<td>No termination</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Solder cup</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R'</td>
<td>Round pin</td>
<td>1.265 [31.57]</td>
<td>.547 [13.89]</td>
</tr>
<tr>
<td>R1</td>
<td>Round pin</td>
<td>1.365 [34.76]</td>
<td>.547 [13.89]</td>
</tr>
<tr>
<td>R3</td>
<td>Round pin</td>
<td>1.034 [26.22]</td>
<td>.216 [5.49]</td>
</tr>
<tr>
<td>R5</td>
<td>Round pin</td>
<td>1.765 [44.83]</td>
<td>.947 [24.05]</td>
</tr>
<tr>
<td>W</td>
<td>Square wire wrap pin</td>
<td>1.247 [31.76]</td>
<td>.429 [10.90]</td>
</tr>
<tr>
<td>W1</td>
<td>Square wire wrap pin</td>
<td>1.512 [38.40]</td>
<td>.694 [17.63]</td>
</tr>
<tr>
<td>W2</td>
<td>Square wire wrap pin</td>
<td>1.862 [47.29]</td>
<td>1.044 [26.52]</td>
</tr>
<tr>
<td>W5</td>
<td>Square wire wrap pin</td>
<td>1.318 [33.48]</td>
<td>.500 [12.70]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>● Not available in G tube material</td>
</tr>
<tr>
<td>● Not available in S tube material</td>
</tr>
<tr>
<td>● Available only in M tube material</td>
</tr>
<tr>
<td>● Not available in M or S termination</td>
</tr>
</tbody>
</table>

Tools & Accessories P/N

Pin Gauge: PG100
Socket Installation: AT100-KIT or AT100M-KIT
Socket Installation Tool Preset: ITR100-FL*
 Socket Installation Tool Preset: ITR100-SET .001 to .190 (0.03 to 4.83)*
Socket Extraction: ETR100*
Probe Installation: PT100/75
Probe Extraction: PERX75/100

Damaged Probe Tube Extraction: TERX75/100*

* Replaceable TIPS are available when applicable and noted above. Example ETR100-TIP

NOTES:
Pin material: Phosphor bronze/gold plated over nickel