RTD Probes with Transitions

Standard Dimensions

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Lead Wire Style*</th>
<th>Sheath Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR-11-2-100-(-)6-E</td>
<td>3 Wire</td>
<td>6&quot;</td>
</tr>
<tr>
<td>PR-11-2-100-(-)9-E</td>
<td>3 Wire</td>
<td>9&quot;</td>
</tr>
<tr>
<td>PR-11-2-100-(-)12-E</td>
<td>3 Wire</td>
<td>12&quot;</td>
</tr>
<tr>
<td>PR-11-2-100-(-)18-E</td>
<td>3 Wire</td>
<td>18&quot;</td>
</tr>
<tr>
<td>PR-11-2-100-(-)24-E</td>
<td>3 Wire</td>
<td>24&quot;</td>
</tr>
</tbody>
</table>

* Specify “-1/8”, “-3/16”, or “-1/4” for probe diameter in inches. To order probes in intermediate lengths, change model number, using next longer probe. Over 24", add an additional cost per inch of probe length. Stainless steel overbraid or BX cable available. For 4-wire configuration, change “2” in model number to “3” for additional cost.

For longer leads, add the length in inches to the model number for an additional cost per meter (Styles 2 & 3) or (Style 1).

Ordering Example: PR-11-2-100-1/4-6-E, 100 Ω, class “A” RTD with a 1/4" diameter by 12" long probe, 40" of 3-wire cable and TA3F connector.

Metric Dimensions

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Lead Wire Style*</th>
<th>Sheath Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR-11-2-100-(-)150-E</td>
<td>3 Wire</td>
<td>150 mm</td>
</tr>
<tr>
<td>PR-11-2-100-(-)225-E</td>
<td>3 Wire</td>
<td>225 mm</td>
</tr>
<tr>
<td>PR-11-2-100-(-)300-E</td>
<td>3 Wire</td>
<td>300 mm</td>
</tr>
<tr>
<td>PR-11-2-100-(-)450-E</td>
<td>3 Wire</td>
<td>450 mm</td>
</tr>
<tr>
<td>PR-11-2-100-(-)600-E</td>
<td>3 Wire</td>
<td>600 mm</td>
</tr>
</tbody>
</table>

* Specify “-M30” for 3 mm, “-M45” for 4.5 mm or “-M60” for 6 mm for probe diameter in millimeters. To order probes in intermediate lengths, change model number, using next longer probe price. Over 600 mm, add an additional cost per 25 mm of probe length. For 4-wire configuration, change “2” in model number to “3” for additional cost.

For longer leads, add the lead length in meters to the model number for an additional cost per meter (Styles 2 & 3) or (Style 1).

Ordering Example: PR-11-2-100-M45-150-E-MTP, 100 Ω, class “A” RTD with a 4.5 mm diameter by 150 mm long probe, 1 m of 3-wire cable and MTP connector.
These general purpose sensors can be used in most liquid and air applications. When used in liquid environments, the epoxy-sealed end should not be immersed directly into the liquid. These probes can be used as stand-alone sensors, or they can be configured with a variety of termination options, and combined with controllers, indicators, or precision thermometers to create complete measurement systems.

Termination options are available for easy operation in conjunction with OMEGA® handheld thermometers or other instruments:

- **Miniature Connector MTP-U-M** (e.g., RTD-2-F3105-36-T-MTP)
- **Heavy-Duty Connector OTP-U-M** (e.g., RTD-2-F3102-36-G-OTP)
- **Connectors for Handheld Instruments TA3F - TA4F** (e.g., RTD-2-F3105-36-T-TA3F)
- **Connector for HH804U meter HH804-CONNECTOR, (e.g., RTD-2-F3105-36-T-HH804-CONNECTOR)**

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**Termination Options:**
- **OTP** = Standard Connector
- **MTP** = Miniature Connector
- See above for other options

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Turn these sensors into complete measurement systems with the following popular instrument options:

- **SPRTX** 4 to 20 mA transmitter, [e.g., RTD-2-F3105-36-G-SPRTX(M1)]
- **HH804U** meter.
- **OM-DAQPRO-5300** handheld data logger.
- **TX92** transmitter.
- **MDSi8-RTD** benchtop meter.
- **DP460-RTD** indicator.
- **DPI32** meters.
- **SSLK** fitting.

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**Need a different resistance, temperature coefficient, cable length, cable type?** Use the Model Number Builder below to go beyond our stock product offering to construct the sensor that meets your specific needs. You can also visit our online store and select “Order by Model Number,” and simply enter the model number and length modifications to automatically obtain price and availability.

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**How are OMEGA’s Model Numbers Constructed?**

<table>
<thead>
<tr>
<th>Number of Leads: 1 = 2 Wire</th>
<th>Sheath Diameter: 1/4 = ¼” M30 = 3 mm*</th>
<th>Temperature Coefficient: E = European 0.00385 Ω/°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3/16 = ⅛” M45 = 4.5 mm</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1/8 = ⅛” M60 = 6 mm</td>
<td></td>
</tr>
</tbody>
</table>

**Element Resistance at 0°C:**
- 100 = 100 Ω
- 1000 = 1000 Ω

**Probe Length:**
In Inches or Millimeters

**Termination Options:**
- **OTP** = Standard Connector
- **MTP** = Miniature Connector
- See above for other options

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* Contact Sales for pricing.

**Ordering Example:** PR-10-2-100-3/16-12-E, 100 Ω class A RTD with ⅛” Dia. x 12” long probe, 1 m of 3-conductor cable.

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