General Purpose Industrial-Grade
RTD Sensors (Class B)
In Economical 3-Packs

- Popular Sensor Styles Stocked
  for Immediate Delivery
- Industrial-Grade (Class “B”,
  ±0.12%) Accuracy
- Sold in Economical 3-Packs
- Same Rugged Sensor Construction as
  Our High-Accuracy Sensors—at a Lower Price

- Simple, Flexible Sensing Options
  for a Wide Variety of
  Measurement Applications
- Termination Options Available

Popular Options Include:

- HH804U, handheld
  visit omega.com/hh804u
- OM-CP-QUADRTD, data logger,
  visit omega.com/om-cp-quadrtd
- TECU10-MTP-MTP, extension cable,
  visit omega.com/recu_gecu_tecu

RTD-850-B shown larger than actual size.

Omega Exclusive: These Industrial Grade RTDs are a Great Alternative When Our High-Accuracy or Ultra-Precise Sensors are More Than You Need!
Select Specifications:

- All sensors are provided with platinum elements with a resistance of 100.00 ±0.12 Ω at 0°C, and a temperature coefficient (α) of 0.00385 Ω/Ω°C. All sensors are supplied with 1 m (40”) of 3-conductor, #26 AWG stranded nickel-plated copper, PFA-insulated, PFA-jacketed cable. Standard termination is stripped leads.
- For heavy-duty connectors, add “-OTP” to model number, for additional cost. For miniature connectors, add “-MTP” to model number, for additional cost.


To Order Visit omega.com/rtd-800_classb for Pricing and Details

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Model No.</th>
<th>Description</th>
<th>Temperature Range</th>
<th>Typical Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTD-805-B</td>
<td>Sensing element is installed into a stainless steel housing for direct contact with air and gas</td>
<td>-50 to 230°C (-60 to 445°F)</td>
<td>HVAC, Laboratory, Workplace or Other Air Temperature Applications</td>
<td></td>
</tr>
<tr>
<td>RTD-806-B</td>
<td>Sensing element is installed into a plastic housing for direct contact with air and gas</td>
<td>-50 to 230°C (-60 to 445°F)</td>
<td>Compressor Efficiency and Surface Temperature Measurements</td>
<td></td>
</tr>
<tr>
<td>RTD-809-B</td>
<td>Sensor is packaged in a round stainless steel housing and encapsulated with epoxy. An ideal design for cementing or applying to flat or pliable surfaces.</td>
<td>-50 to 230°C (-60 to 445°F)</td>
<td>Measurements in Liquids and Pressurized Systems</td>
<td></td>
</tr>
<tr>
<td>RTD-810-B</td>
<td>Closed-ended stainless steel probe with ¼ NPT or BSPT threaded fitting. This design is ideal for fluid measurements and use in pressurized systems.</td>
<td>-200 to 750°C (-328 to 1380°F)</td>
<td>Flat Surface Measurements Where a #4 Screw Can be Used for Installation</td>
<td></td>
</tr>
<tr>
<td>RTD-830-B</td>
<td>Aluminum housing is machined to accept a #4 screw for easy mounting on flat surfaces. Can also be easily cemented or applied to flat surfaces.</td>
<td>-50 to 230°C (-60 to 445°F)</td>
<td>Power Supplies, Electronic Equipment, Mechanical Structures</td>
<td></td>
</tr>
<tr>
<td>RTD-850-B</td>
<td>¼” stainless steel hex body includes a #8-32 or M4 thread for installation into tight places. Can be used in screw or bolt holes for measuring structure temperatures.</td>
<td>-50 to 230°C (-60 to 445°F)</td>
<td>HVAC, Laboratory or Other Air Temperature Applications</td>
<td></td>
</tr>
<tr>
<td>RTD-860-B</td>
<td>Closed-ended stainless steel tube with a round mounting plate. Two holes are supplied for mounting. PFA-insulated lead wires.</td>
<td>-50 to 230°C (-60 to 445°F)</td>
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</tr>
</tbody>
</table>
Air Temperature RTD Sensors

- For Monitoring of Air and Gas Streams; Mounts in Any Orientation
- Exposed Sensing Element Has Fast Response Times in Air

- Available with Stainless Steel or Plastic Housings
- High-Accuracy, 100 Ω, Class “A” DIN Platinum Element
- 3-Wire Construction for Connecting to Most Instruments
- Perfect for Air Temperature Monitoring and Control in Laboratories and Laminar Flow Benches

To Order Visit omega.com/rtd-805_rtd-806 for Pricing and Details

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Sensing Element</th>
<th>Cable</th>
<th>Max Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTD-805</td>
<td>100 Ω Class “A” DIN</td>
<td>1 m (40&quot;) PFA insulated</td>
<td>230°C (450°F)</td>
</tr>
<tr>
<td>RTD-806</td>
<td>100 Ω Class “A” DIN</td>
<td>1 m (40&quot;) PFA insulated</td>
<td>230°C (450°F)</td>
</tr>
</tbody>
</table>

Popular Options Include:

- Terminations Available: Provided with a miniature connector standard. For heavy-duty connector add “-OTP” to model number for an additional cost. For audio connector add “-TA3F” to model number for an additional cost. For terminal lugs add “-LUG” to model number for an additional cost.

Ordering Examples: RTD-805-TA3F, 100 Ω class “A” SST housing with terminal lugs.

How are OMEGA’s Model Numbers Constructed?

<table>
<thead>
<tr>
<th>RTD — 805 —</th>
<th>TA3F</th>
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</thead>
<tbody>
<tr>
<td>RTD — 806 —</td>
<td>LUG</td>
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</tbody>
</table>

Class “B” also available in economical 3-packs.