

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

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



RTD-850-B shown larger than actual size.

- ✓ Popular Sensor Styles Stocked for Immediate Delivery
- ✓ Industrial-Grade (Class “B”,  $\pm 0.12\%$ ) 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

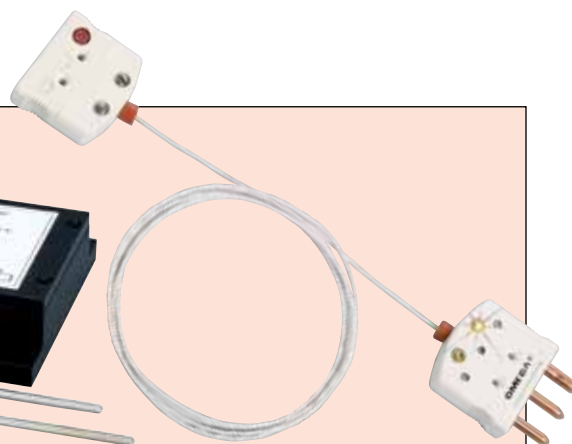
Popular Options Include:



HH804U, handheld  
visit [omega.com/hh804u](http://omega.com/hh804u)



OM-CP-QUADRTD, data logger,  
visit [omega.com/om-cp-quadrtd](http://omega.com/om-cp-quadrtd)



TECU10-MTP-MTP, extension cable,  
visit [omega.com/recu\\_gecu\\_tecu](http://omega.com/recu_gecu_tecu)

## Typical Applications

- ✓ Product Environmental and Performance Testing
- ✓ Climate Control/HVAC
- ✓ Thermal Protection of Electronic Products (Power Supplies, Electronic Racks, and Enclosures)
- ✓ Temperature Monitoring of Processes, Equipment, and Structures

Custom  
Holes Available.  
Consult Custom  
Engineering.

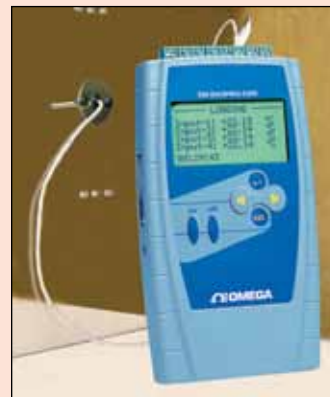


Perfect for tight spaces where temperature control is needed.



Typical epoxy mounting; see OMEGABOND® cements and epoxies

Typical bolt-mounted configuration could be used with OMEGATHERM® thermal paste.



Shown smaller than actual size with optional OM-DAQPRO-5300, handheld data logger. Visit [omega.com/om-daqpro-5300](http://omega.com/om-daqpro-5300)

**To Order Visit [omega.com/rtd-800\\_classb](http://omega.com/rtd-800_classb) for Pricing and Details**

Configuration	Model No.	Description	Temperature Range	Typical Applications
	<b>RTD-805-B</b>	Sensing element is installed into a stainless steel housing for direct contact with air and gas	-50 to 230°C (-60 to 445°F)	HVAC, Laboratory, Workplace or Other Air Temperature Applications
	<b>RTD-806-B</b>	Sensing element is installed into a plastic housing for direct contact with air and gas		
	<b>RTD-809-B</b>	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.	-50 to 230°C (-60 to 445°F)	Compressor Efficiency and Surface Temperature Measurements
	<b>RTD-810-B</b> (1/8 NPT thread)	Closed-ended stainless steel probe with 1/8 NPT or BSPT threaded fitting. This design is ideal for fluid measurements and use in pressurized systems.	-200 to 750°C (-328 to 1380°F)	Measurements in Liquids and Pressurized Systems
	<b>RTD-810M-B</b> (1/8 BSPT thread)			
	<b>RTD-830-B</b>	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.	-50 to 230°C (-60 to 445°F)	Flat Surface Measurements Where a #4 Screw Can be Used for Installation
	<b>RTD-850-B</b> (#8-32 thread)	1/4" 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.	-50 to 230°C (-60 to 445°F)	Power Supplies, Electronic Equipment, Mechanical Structures
	<b>RTD-850M-B</b> (M4 thread)			
	<b>RTD-860-B</b>	Closed-ended stainless steel tube with a round mounting plate. Two holes are supplied for mounting. PFA-insulated lead wires.	-50 to 230°C (-60 to 445°F)	HVAC, Laboratory or Other Air Temperature Applications

**Select Specifications:** All sensors are provided with platinum elements with a resistance of  $100.00 \pm 0.12 \Omega$  at  $0^\circ\text{C}$ , and a temperature coefficient (alpha) of  $0.00385 \Omega/\Omega/^\circ\text{C}$ . All sensors are supplied with 1 m (40") of 3-conductor, #26 AWG stranded nickel-plated copper, 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.

**Ordering Examples:** **RTD-850-B** (3-pack). **RTD-860-B-OTP** RTD-860-B sensor with OTP connectors installed on all 3 sensors, (3 pack).