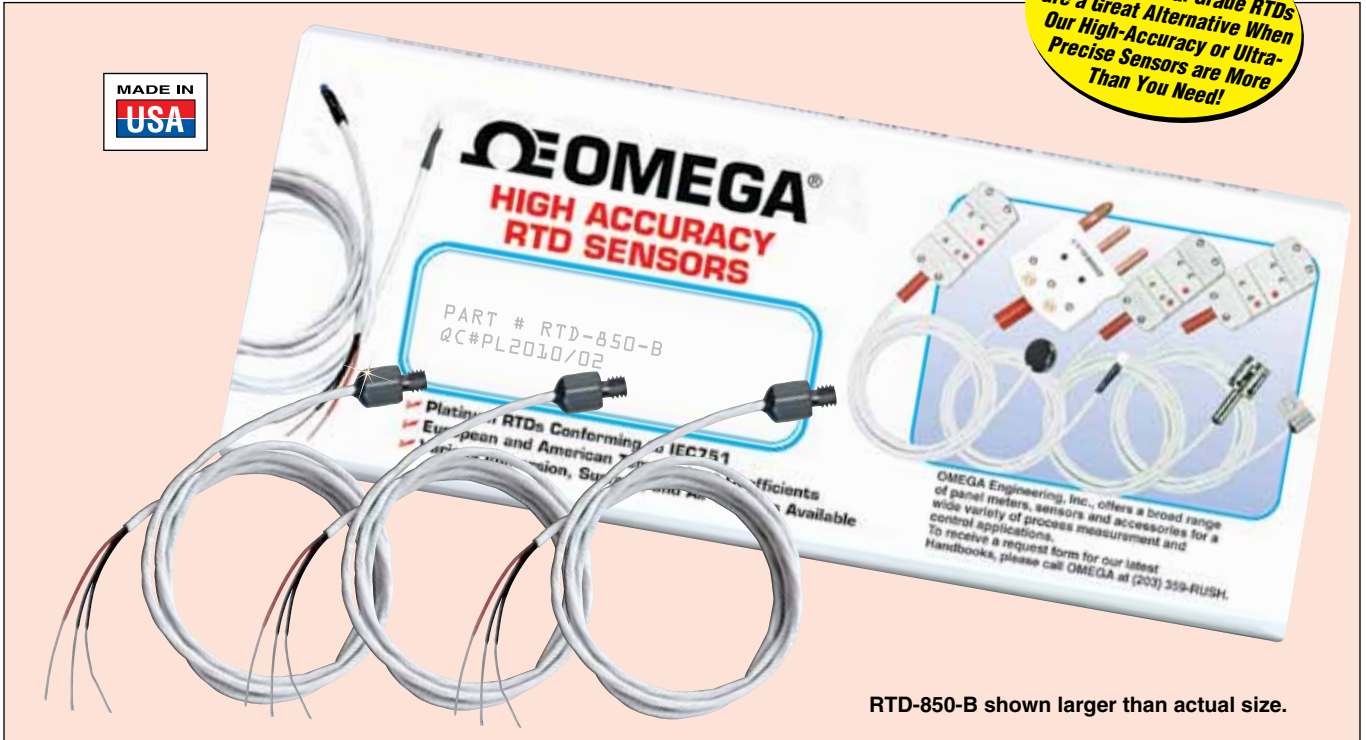


General Purpose Industrial-Grade RTD Sensors (Class B) In Economical 3-Packs

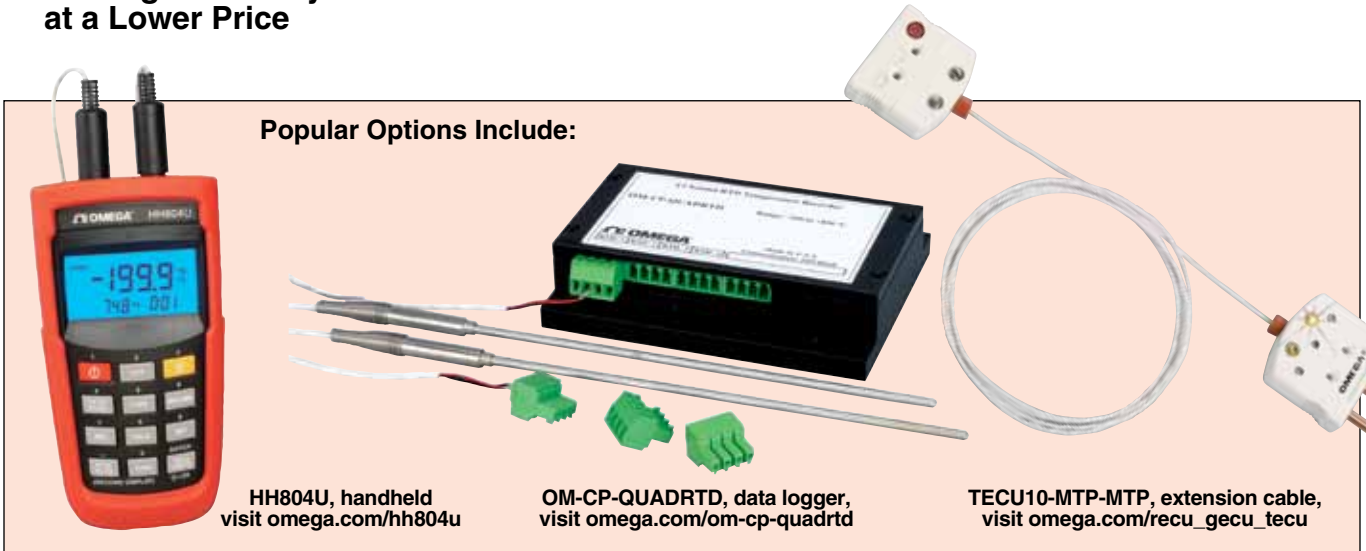
Omega Exclusive:
These Industrial Grade RTDs
are a Great Alternative When
Our High-Accuracy or Ultra-
Precise Sensors are More
Than You Need!



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

OM-CP-QUADRTD, data logger,
visit omega.com/om-cp-quadrtd

TECU10-MTP-MTP, extension cable,
visit omega.com/rece_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.

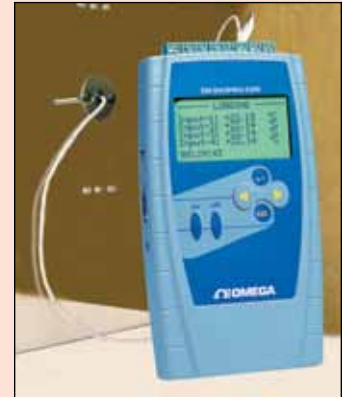


Perfect for tight spaces where temperature control is needed.



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

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

Configuration	Model No.	Description	Temperature Range	Typical Applications
	RTD-805-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
	RTD-806-B	Sensing element is installed into a plastic housing for direct contact with air and gas		
	RTD-809-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
	RTD-810-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
	RTD-810M-B (1/8" BSPT thread)			
	RTD-830-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
	RTD-850-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
	RTD-850M-B (M4 thread)			
	RTD-860-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 ± 0.12 Ω at 0°C, and a temperature coefficient (alpha) of 0.00385 Ω/Ω/°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).

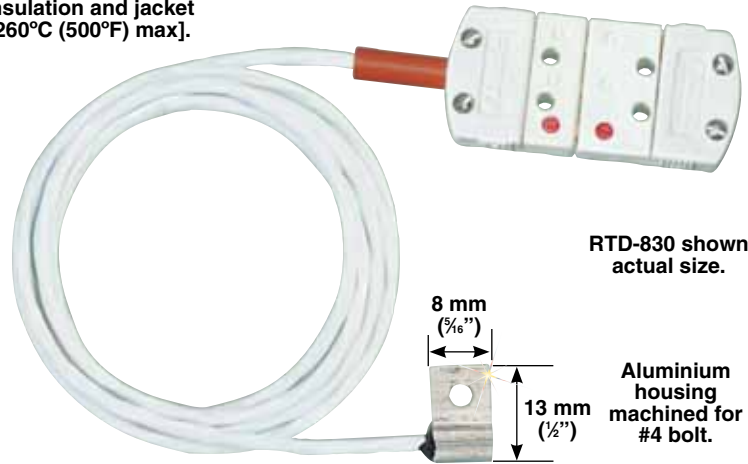
Surface Mount RTD Sensor



- ✓ Aluminium Housing for Fast Response Time
- ✓ Small Size Can be Installed on Most Flat Surfaces
- ✓ High-Accuracy, 100 Ω, Class "A" DIN Platinum Element
- ✓ 3-Wire Construction for Connecting to Most Handheld Instruments
- ✓ Custom Holes Available; Contact Our Custom Engineering Department

#26 AWG stranded copper wire with PFA insulation and jacket [260°C (500°F) max].

Miniature connector (MTP) style comes with mating connector.



RTD-830 shown actual size.

Aluminium housing machined for #4 bolt.

To Order Visit omega.com/rtd-830 for Pricing and Details

Model Number	Sensing Element	Cable	Max Temperature
RTD-830	100 Ω Class "A" DIN	1 m (40") PFA insulated	230°C (450°F)
RTD-830-TA3F	100 Ω Class "A" DIN	1 m (40") PFA insulated	230°C (450°F)

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.

Ordering Examples: RTD-830-SPRTX(M1), 100 Ω class "A" DIN with 4 to 20 mA transmitter.
RTD-830-TA3F, 100 Ω class "A" with audio connector.



Typical epoxy mounting; see OMEGABOND® cements and epoxies.

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

Options



OT-201-1/2 high conductive paste.

OMEGABOND epoxies.

How are OMEGA's Model Numbers Constructed?

Termination Options: (Blank) = Miniature Connector (Standard)
OTP = Heavy-Duty Connector
TA3F = Audio Connector

LUG = Copper Lugs
SPRTX = Transmitter

Class "B" also available in economical 3-packs.

RTD — 830 — **OTP**

Ordering Example: RTD-830-OTP.

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Largest Supplier of Electrical and Electronic Components

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