

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

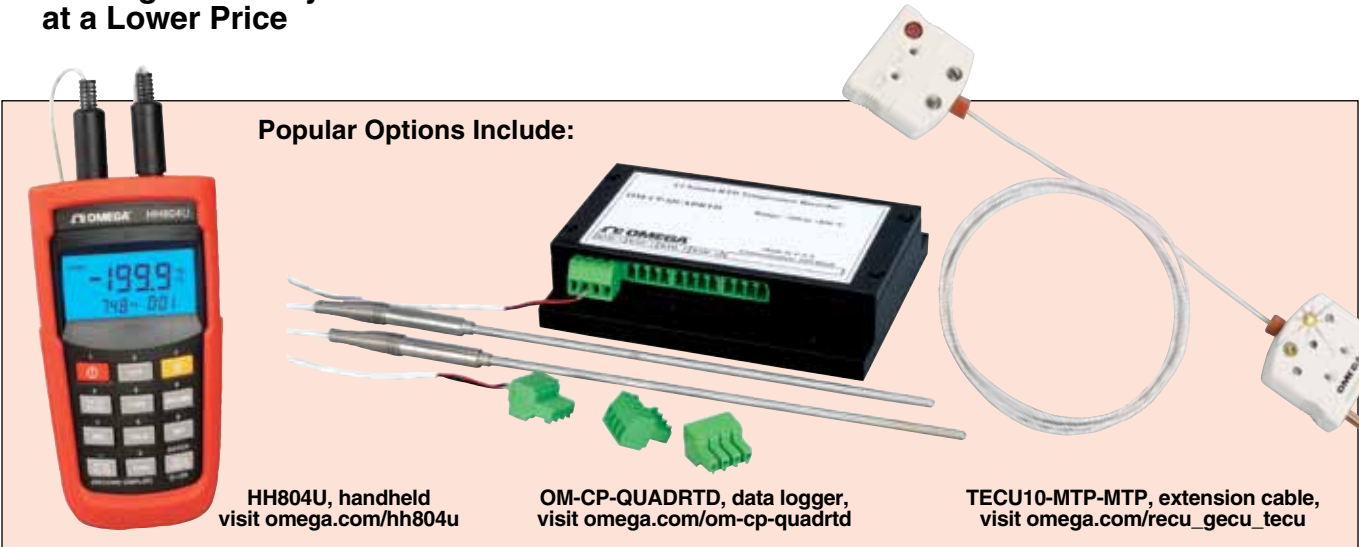
Omega Exclusive:
These Industrial Grade RTDs
are a Great Alternative When
Our High-Accuracy or Ultra-
Precise Sensors are More
Than You Need!



RTD-850-B shown larger than actual size.

- ✓ Popular Sensor Styles Stocked for Immediate Delivery
- ✓ Industrial-Grade (Class “B”, ±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.

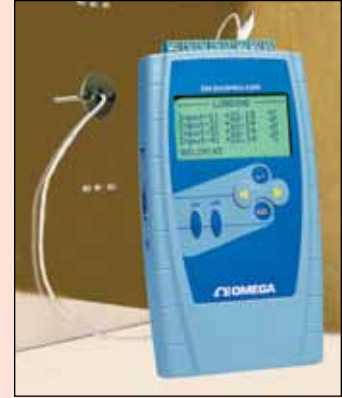


Perfect for tight spaces where temperature control is needed.



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.

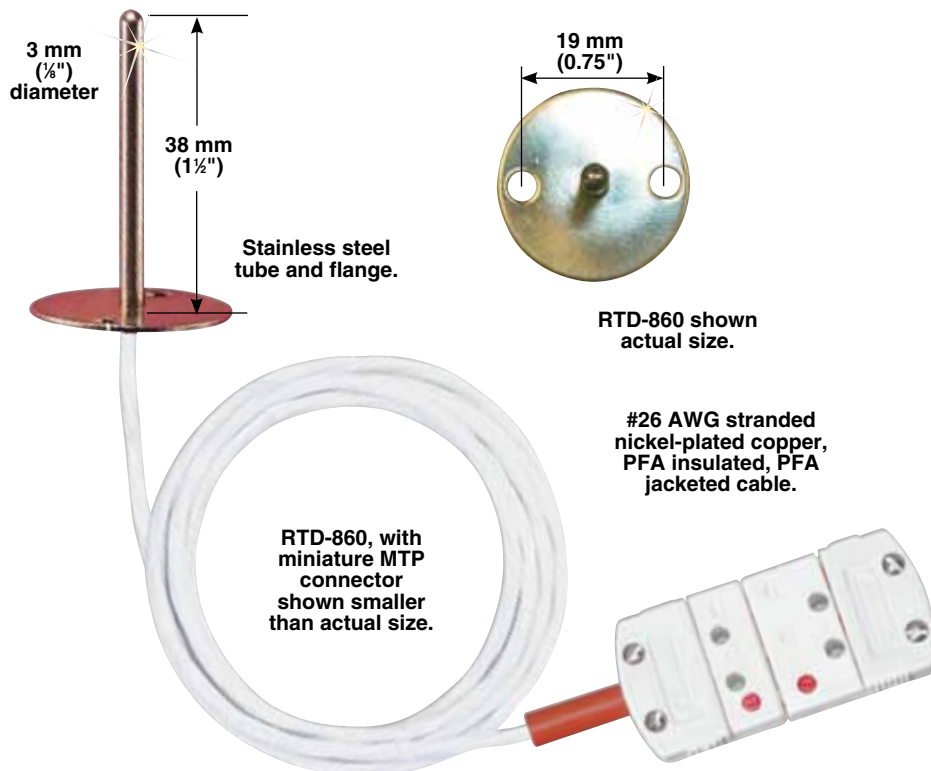
Ordering Examples: RTD-850-B (3-pack). RTD-860-B-OTP RTD-860-B sensor with OTP connectors installed on all 3 sensors, (3 pack).

Precision RTD Probes for Laboratory Applications

For Measuring Temperature in Gas and Air Applications



- ✓ High-Accuracy 100 Ω Class “A” DIN Platinum Element Standard
- ✓ Includes Stainless Steel Flange and Sheath for Easy Installation
- ✓ 3-Wire Construction for Connecting to Most Instruments



Shown smaller than actual size with optional OM-DAQPRO-5300, see omega.com.

Supplied with miniature MTP style connector. Other connectors also available, see omega.com

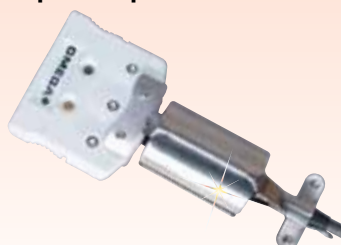
To Order Visit omega.com/rtd-860 for Pricing and Details

| Model Number | Sensing Element | Cable | Maximum Temperature |
|-----------------|---------------------|---------------------------------------|---------------------|
| RTD-860 | 100 Ω Class “A” DIN | 1 m (40") long PFA insulated | 230°C (450°F) |
| RTD-860-OTP | 100 Ω Class “A” DIN | 1 m (40") long PFA with OTP Connector | 230°C (450°F) |
| RTD-860-SPRTXM1 | 100 Ω Class “A” DIN | 1 m (40") long PFA SPRTX-MTH | 230°C (450°F) |

Terminations Available: Provided with standard miniature connector; for larger sized 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-860-OTP, Class “A” accuracy with standard sized connector, RTD-860-TA3F, Class A accuracy with audio connector.

Popular Options Include:



SPRTX 4 to 20 mA transmitter, see omega.com



CNI3253 controller, see omega.com



HE-XT105 PLC/HMI all-in-one, see omega.com



OM-SQ2010 data logger, see omega.com