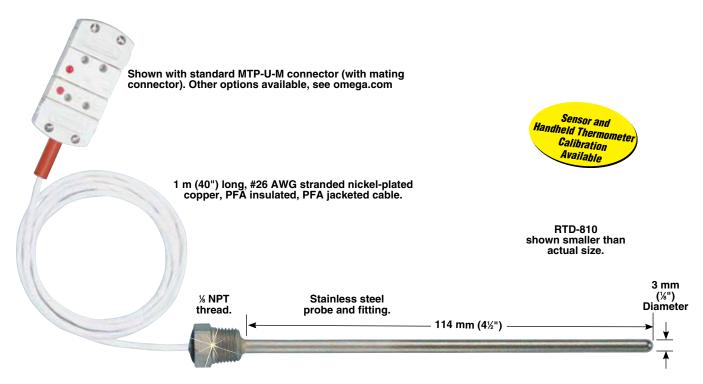
High-Accuracy Fluid Immersion RTD Sensors

For Use in Monitoring Temperature in Fluid and Pressurized Applications



- Provided with High-Accuracy Class "A" 100 Ω Element (Standard)
- ✓ Stainless Steel Probe Stem and Mounting Fitting (¼ NPT) Provided
- ✓ Usable Temperature Range: -200 to 750°C (Cable to 232°C)
- ✓ 3-Wire Construction for Connecting to Most Instruments



| To Order Visit omega.com/rtd-810 for Pricing and Details | | | |
|--|---------------------|--|---------------------|
| Model Number | Sensing Element | Cable | Maximum Temperature |
| RTD-810 | 100 Ω Class "A" DIN | 1 m (40") long PFA insulated | 750°C (cable 232°C) |
| RTD-810-OTP | 100 Ω Class "A" DIN | 1 m (40") long PFA with OTP connector | 750°C (cable 232°C) |
| RTD-810-TA3F | 100 Ω Class "A" DIN | 1 m (40") long PFA with TA3F connector | 750°C (cable 232°C) |

Terminations Available: Provided with standard miniature connector; for larger sized connector, add "-OTP" to model number f; for audio connector, add "-TA3F" to model number for an additional cost.

Ordering Example: RTD-810-OTP, Class "A" accuracy with heavy-duty connector. RTD-810-TA3F, Class "A" accuracy with audio connector.

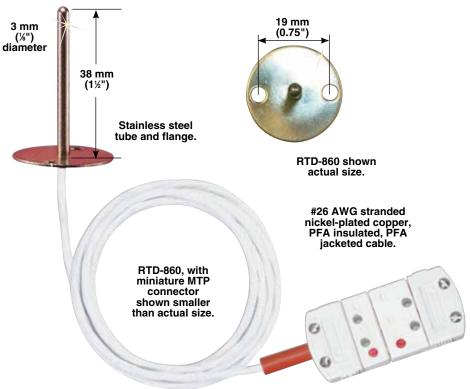


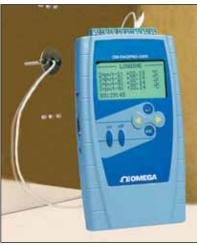
Precision RTD Probes for Laboratory Applications

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.

Supplied with miniature MTP style connector. Other connectors also available.

| To Order | | | |
|-----------------|---------------------|---------------------------------------|---------------------|
| 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.

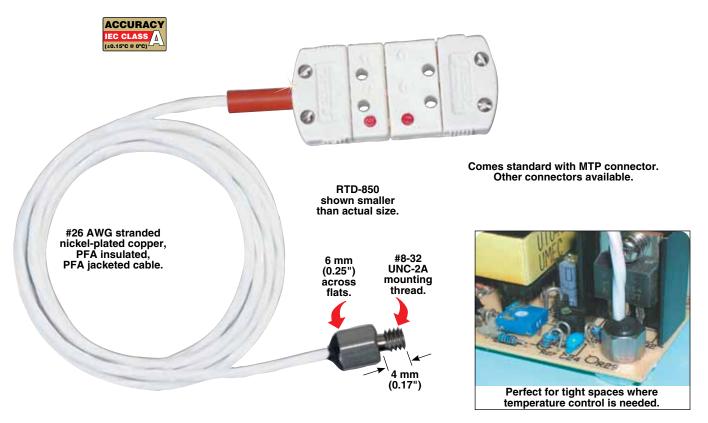
Ordering Examples: RTD-860-OTP, Class "A" accuracy with standard sized connector, RTD-860-TA3F, Class A accuracy with audio connector.



RTD Sensor with Miniature Housing

Stud-Mount Construction For Use in Limited Spaces

- Stainless Steel Housing with #8-32 Thread Can be Installed in Tight Places
- ightharpoonup High-Accuracy, 100 Ω, Class "A" DIN Platinum Element Standard
- 3-Wire Construction for Connecting to Most Instruments



| To Order | | | |
|-----------------|---------------------|------------------------------|-----------------|
| Model Number | Sensing Element | Cable | Max Temperature |
| RTD-850-TA3F | 100 Ω Class "A" DIN | 1 m (40") Long PFA Insulated | 230°C (450°F) |
| RTD-850-SPRTXM1 | 100 Ω Class "A" DIN | 1 m (40") Long PFA Insulated | 230°C (450°F) |
| RTD-850 | 100 Ω Class "A" DIN | 1 m (40") Long 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-850-OTP, $100~\Omega$ Class "A" DIN with heavy-duty connector.

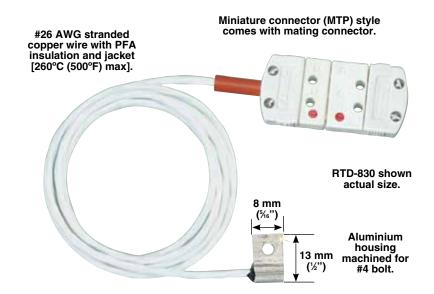
RTD-850-SPRTX(M1), 100 Ω Class "A" DIN with 4 to 20 mA transmitter.



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



| To Order | | | |
|--------------|---------------------|-------------------------|-----------------|
| 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), 100Ω class "A" DIN with 4 to 20 mA transmitter. RTD-830-TA3F, 100Ω class "A" with audio connector.



Typical epoxy mounting; see OMEGABOND® cements and epoxies.

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



How are OMEGA's Model Numbers Constructed?

RTD — 830 — OTP

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

Ordering Example: RTD-830-OTP.

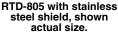
Air Temperature RTD Sensors

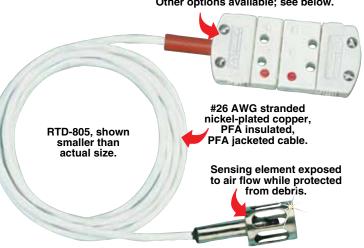


- ✓ For Monitoring of Air and Gas Streams; Mounts in Any Orientation
- Exposed Sensing Element Has Fast Response Times in Air
- Available with Stainless Steel or Plastic Housings
- ightharpoonup High-Accuracy, 100 Ω, Class "A" DIN Platinum Element
- 3-Wire Construction for Connecting to Most Instruments
- Perfect for Air Temperature Monitoring and Control in Laboratories and Laminar Flow Benches

Shown with standard MTP connector. Other options available; see below.



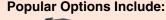




| To Order | | | | |
|--------------|---------------------|-------------------------|-----------------|--|
| Model Number | Sensing Element | Cable | Max Temperature | |
| RTD-805 | 100 Ω Class "A" DIN | 1 m (40") PFA insulated | 230°C (450°F) | |
| RTD-806 | 100 Ω Class "A" DIN | 1 m (40") PFA insulated | 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. 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.





iDRN-RTD digital signal conditioner, visit omega.com/idrn-idrx



PUK-2T-10PK DIN rail terminal block, 10 pack, see omega.com/terminal-blocks



CN606RTD3 6-zone ¼ DIN temperature monitor.



OM-CP-OCTRTD 8-channel data logger, visit omega.com/ om-cp-octrtd

How are OMEGA's Model Numbers Constructed?

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

RTD — 805 — TA3F

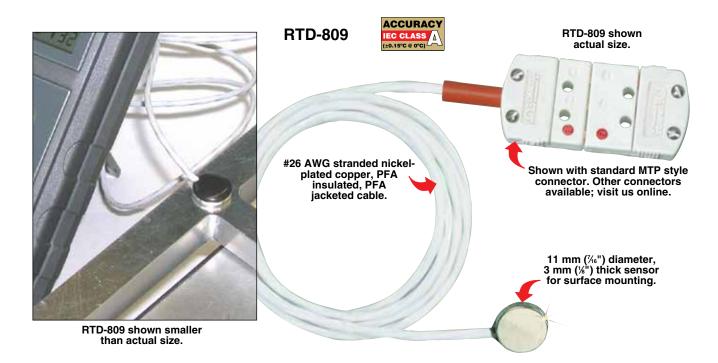
Class "B" also available in economical 3-packs.

RTD — 806 — LUG

Ordering Example: RTD-805-TA3F. RTD-806-SPRTX(M1).

Encapsulated RTD Sensors

- ✓ Flat Disc Shape is Ideal for Surface Temperature Measurements
- Bonds to Surfaces for Measuring Heat Loss or Operating Temperatures
- High-Accuracy, 100 Ω, Class "A" DIN Platinum Element
- 3-Wire Construction for Connecting to Most Instruments



| To Order | | | |
|--------------|---------------------|-------------------------|-----------------|
| Model Number | Sensing Element | Cable | Max Temperature |
| RTD-809 | 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 additional cost. to price. For audio connector add "-**TA3F**" to model number, for additional cost. **Ordering Example:** RTD-809-TA3F, 100 Ω class "A" DIN with audio connector.



