Surface Mount RTD Sensor
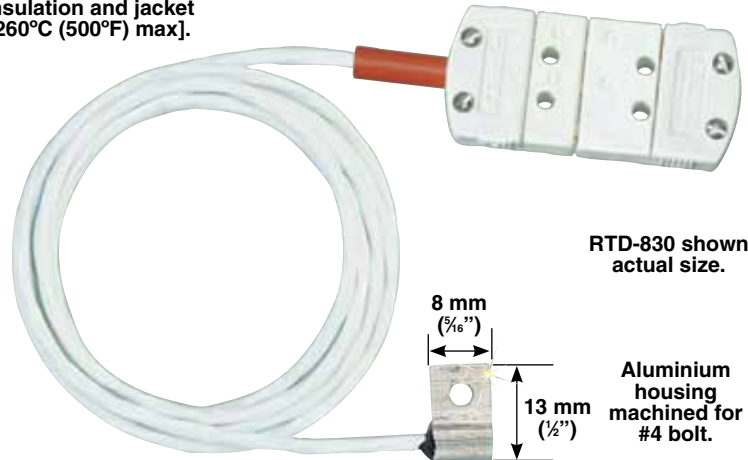
OMEGA™

ACCURACY IEC CLASS A (±0.15°C @ 0°C)

- ✔ **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**

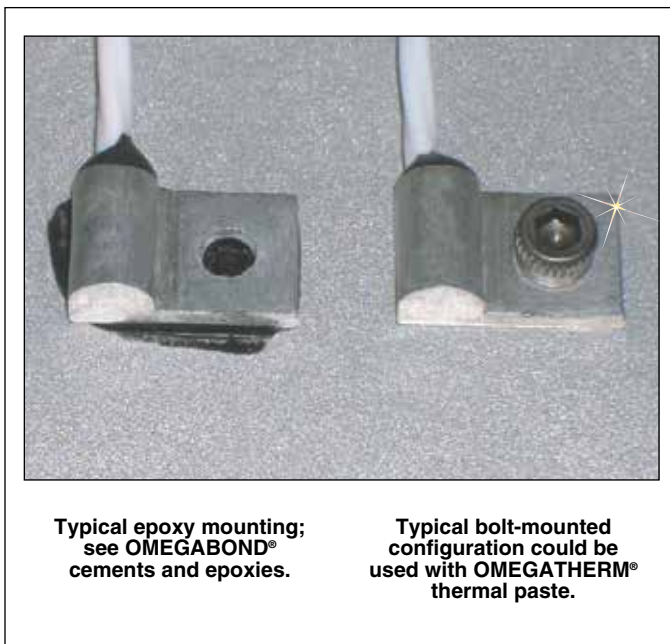**#26 AWG stranded copper wire with PFA insulation and jacket [260ºC (500ºF) max].**

Comes standard with MTP Male connector, mating connector sold separately. Other connectors available.

Images are for reference only.

RTD-830 shown actual size.

8 mm (⁵⁄₁₆")

13 mm (½")

Aluminium housing machined for #4 bolt.

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   LUG = Copper Lugs
TA3F = Audio Connector   SPRTX = Transmitter

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

RTD — 830 — OTP

Mating connector sold separately MTP-U-F mating connector for standard termination, OTP-U-F mating connector for heavy-duty connector.

Ordering Example: RTD-830-OTP.

To Order

Model No.	Sensing Element	Cable	Max Temperature
RTD-830	100 Ω Class "A" DIN	1 m (40") PFA insulated with MTP connector	230ºC (450ºF)
RTD-830-OTP	100 Ω Class "A" DIN	1 m (40") PFA insulated with OTP connector	230ºC (450ºF)
RTD-830-TA3F	100 Ω Class "A" DIN	1 m (40") PFA insulated with TA3F connector	230ºC (450ºF)

*Terminations Available: Provided with a miniature connector standard, 100 Ω Class "A" DIN, 1 m (40") Long PFA Insulated with TA3F Connector 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.*

To Order

Model No.	Sensing Element	Maximum Temperature	Mating Connector Model No.	Cable Clamp Model No.
RTD-830	100 Ω Class "A" DIN	230ºC (450ºF)	**MTP-U-F**	**PCLM-MTP**
RTD-830- OTP	100 Ω Class "A" DIN	230ºC (450ºF)	**OTP-U-F**	**PCLM**

All accessories sold seperately.