

Industrial Grade RTD Sensors (Class B) 5-Pack with Lead Wires

**Omega Exclusive:
Economical Industrial Grade
Sensors—When Standard
Accuracy is All
You Need**



Enlarged tip view.






RTD-2-F3105-36-T-B shown smaller than actual size.

- ✓ 2-, 3- or 4-Wire Configurations Available
- ✓ Popular Sensor Styles Stocked for Immediate Delivery
- ✓ Industrial Grade (Class “B” = $\pm 0.12 \Omega$ at 0°C) Accuracy
- ✓ Sold in Economical 5-Packs
- ✓ Same Rugged Sensor Construction as Our High-Accuracy Sensors, at a Lower Price
- ✓ Simple, Flexible Sensing Option for a Wide Variety of Measurement Applications



To Order

Model Number	Element	Lead Wire	Potting Material	Maximum Temperature
				
RTD-2-F3105-36-T-B (shown actual size), 3-wire standard				
RTD-2-F3105-36-T-B	F3105 (2 x 2 mm)	PFA	Epoxy	230°C (450°F)
RTD-2-F3102-36-T-B	F3102 (4 x 5 mm)	PFA	Epoxy	230°C (450°F)
RTD-2-1PT100K2515-36-T-B	1PT100K2515	PFA	Epoxy	230°C (450°F)
RTD-2-1PT100KN2528-36-T-B	1PT100KN2528	PFA	Epoxy	230°C (450°F)
				
RTD-2-F3102-36-G-B provides larger measuring area (4x) than the F3105 (shown larger than actual size), 3-wire standard				
RTD-2-F3105-36-G-B	F3105 (2 x 2 mm)	Fiberglass	Ceramic	480°C (900°F)
RTD-2-F3102-36-G-B	F3102 (4 x 5 mm)	Fiberglass	Ceramic	480°C (900°F)
				
RTD-2-1PT100K2515-36-G-B (shown larger than actual size), 3-wire standard				
RTD-2-1PT100K2515-36-G-B	1PT100K2515	Fiberglass	Ceramic	480°C (900°F)
RTD-2-1PT100KN2528-36-G-B	1PT100KN2528	Fiberglass	Ceramic	480°C (900°F)

Select Specifications: All sensors are provided with platinum elements with a resistance of $100.00 \pm 0.12 \Omega$ at 0°C , and a temperature coefficient (alpha) of $0.00385 \Omega/\Omega/^\circ\text{C}$. Sensors are supplied with 1 m (40") of stranded nickel-plated copper lead wire (insulation as specified) unless longer lengths are ordered. Standard termination is stripped leads. F3102 and F3105 elements are thin film; 1PT100K2515 and 1PT100KN2528 are wire-wound elements.

Ordering Note: Above models shown as 3-wire configurations, for 2-wire construction change the “-2” in the model number to “-1”; for 4-wire construction change “-2” to “-3”. To order sensors with bare wires and connections for use to 600°C (1112°F), replace “-T” or “-G” in model number with “-B”. For longer lead wires, change “-36” in the model number to length desired for an additional cost/ft per sensor. Terminations available: “-LUG” copper lugs, add an additional cost per sensor; for “-OTP” and “-MTP” connectors add an additional cost per sensor.

Ordering Examples: RTD-2-1PT100K2515-36-T-B, 1PT100K2515 element with 1 m (40") of 3-conductor PFA insulated cable attached (epoxy potted), 5 pack. RTD-3-F3102-36-G-B, F3102 element with 1 m (40") of 4-conductor fiberglass-insulated cable attached (ceramic potting), 5 pack. RTD-2-F3105-36-T-B-OTP, F3105 element with 1 m (40") of 3-conductor PFA insulated cable, epoxy potted and heavy-duty connectors, 5 pack.