RTD Sensors—Fast Response Exposed RTD Element with

✓ Thermal Response (63%) Less Than 75 Milliseconds in Water Flowing at 3 Feet per Second

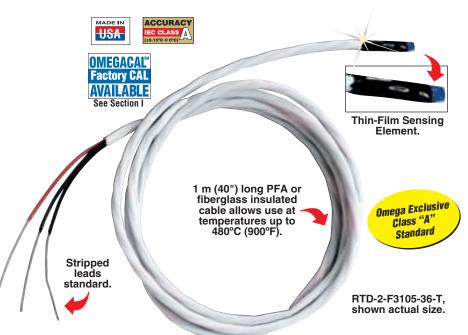
**Lead Wires** 

High-Accuracy Class
"A", 100 Ω DIN Platinum
Elements Standard

✓ Ultra Precise Accuracy ⅓ and ⅙ DIN, and Economical Class "B" Also Available\*

Operating Range Up to 480°C (900°F) Available

1 m (40") Long 2-, 3-, or 4-Wire #26 AWG Cables for Connecting to Most Handheld Instruments



### MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)					
Model Number	Element	Lead Wire	Potting Material	Maximum Temperature	Style 1 Style 2 Style 3 (2 wire) (3 wire) (4 wire)
		401000000000000000000000000000000000000			
RTD-2-F3105-36-T, shown actual	size				
RTD-(*)-F3105-36-T	F3105 (2 x 2 mm)	PFA	Ероху	230°C (450°F)	
RTD-(*)-F3102-36-T	F3102 (4 x 5 mm)	PFA	Ероху	230°C (450°F)	
Company of Market				The state of the s	
RTD-2-F3102-36-G provides larger measuring area (2x) than the F3105 (shown larger than actual size)					
RTD-(*)-F3105-36-G	F3105 (2 x 2 mm)	Fiberglass	Ceramic	480°C (900°F)	
RTD-(*)-F3102-36-G	F3102 (4 x 5 mm)	Fiberglass	Ceramic	480°C (900°F)	
	THE PARTY OF THE P	CONTRACTOR	· · · · · · · · · · · · · · · · · · ·	and other transport	
RTD-2-1PT100K2515-36-T, shown					
RTD-(*)-1PT100K2515-36-T	1PT100K2515	PFA	Ероху	230°C (450°F)	
RTD-(*)-1PT100KN2528-36-T	1PT100KN2528	PFA	Ероху	230°C (450°F)	

<sup>\* 1/2</sup>B and 1/20B DIN accuracies only available with wire wound elements and 4-wire configurations.

Note: For longer leads, change "-36" in model number to length desired for additional cost. Other RTD elements are also available with lead wires attached; consult Sales. Accuracies of ½ and ½ DIN are only available in 1PT100K2515 and 1PT100KN2528 wire-wound elements and require 4-wire construction. For ½ DIN and ½ DIN elements add additional cost. Terminations available for additional cost: "-LUG" "-OTP" and "-MTP" connectors. To order sensors with bare wires and connections for use to 600°C (1112°F), replace "-T" or "-G" with "-B" in model number.

Ordering Examples: RTD-3-1PT100K2515-36-T-1/3, 1PT100K2515 ½ DIN accuracy element with 1 m (40") of 4-conductor PFA insulated cable attached (epoxy potted). RTD-3-F3102-72-G, F3102 class "A" element with 2 m (72") of 4-conductor fiberglass-insulated cable attached (ceramic potting).

C-79

- ✓ Class "B"\* Accuracy Available for High Volume, Lower Cost Applications. Also Available in Economical 5-Packs (See page C-30)
- Model Numbers Shown Available from Stock
- Choose from a Large Selection of Elements, Terminations, and Optional Equipment

### Available Accuracies in Ohms @ 0°C

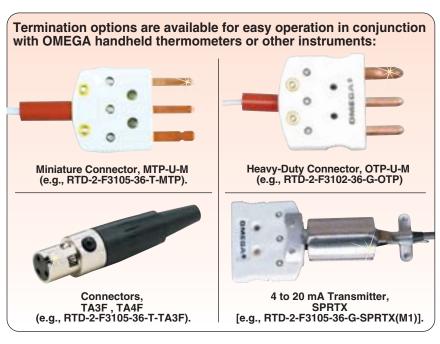
 $\checkmark$  Class "A" = ±0.06 Ω (standard)

V ½ DIN = ±0.04 Ω\*

ightharpoonup Class "B" = ±0.12  $\Omega$ 

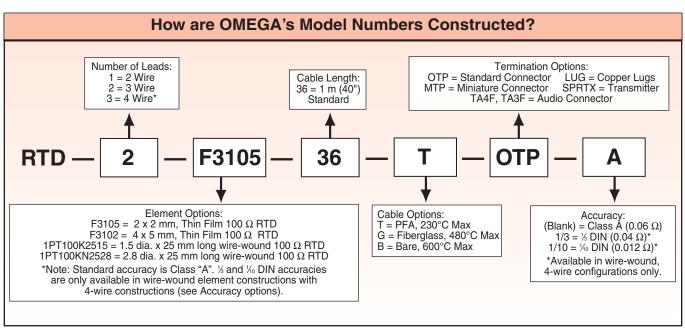
V 1/10 DIN = ±0.012 Ω\*

\*Note: ½ and ½ DIN available only with 1PT100K2515 and 1PT100KN2528 wire-wound elements in 4-wire configurations. See accuracy formulas on page C-84 or C-9 for additional information.





**Need a different resistance, temperature coefficient, cable length, cable type?** Use the Model Number Builder below to go beyond our stock product offering to construct the sensor that meets your specific needs. You can also visit our online store at **omega.com**, select "Order by Model Number," and simply enter the model number and length modifications to automatically obtain price and availability.



Ordering Example: RTD-2-F3105-36-G.

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