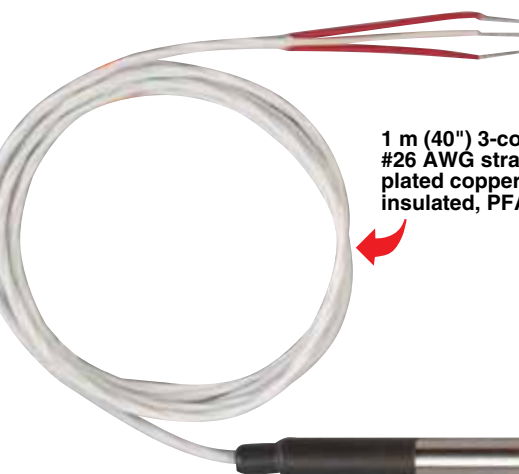


Fast Response Copper Tip RTD Sensors

- ✓ Copper Alloy Tip for Fast Thermal Response (2 Seconds Max in Water at 3"/Sec)
- ✓ 100 Ω , Class "B" DIN Thin Film Platinum Elements
- ✓ Operating Temperature -50 to 260°C
- ✓ Can be Used As-is or in a Variety of Other Configurations
- ✓ 2-, 3- or 4-Wire Configurations with IEC751/ASTM-E-1137 Color Codes



1 m (40") 3-conductor
#26 AWG stranded nickel
plated copper, PFA
insulated, PFA jacketed.

PRTFCU Series



Copper tip.

PRTFCU-10-2-100-1/4-6-E-ST
shown smaller than actual size.

Copper tip.

Probe length (2" minimum)

Standard Dimensions

To Order			
Model Number	Resistance at 0°C	Number of Wires	Probe Length
PRTFCU-10-2-100-(*)-6-E	100 Ω , Class "B" DIN Platinum	3	6"
PRTFCU-10-2-100-(*)-9-E	100 Ω , Class "B" DIN Platinum	3	9"
PRTFCU-10-2-100-(*)-12-E	100 Ω , Class "B" DIN Platinum	3	12"
PRTFCU-10-2-100-(*)-18-E	100 Ω , Class "B" DIN Platinum	3	18"
PRTFCU-10-2-100-(*)-24-E	100 Ω , Class "B" DIN Platinum	3	24"

* Specify "-1/4" or "-3/16" for probe diameter in inches. To order with shrink tube strain relief, specify "-ST" at the end of the model number. To order intermediate lengths change model number, using the next longer length for price. Over 24", additional cost per inch of probe length. Probes supplied 3-wire standard, 2 and 4-wire may be ordered, consult Sales for price and availability.

Ordering Example: PRTFCU-10-2-100-1/4-12-E-ST, 1/4" diameter probe with copper tip, 12" long, 100 Ω Class B element with 40" of 3-wire PFA insulated cable and shrink tube strain relief.

Metric Dimensions

To Order			
Model Number	Resistance at 0°C	Number of Wires	Probe Length
PRTFCU-10-2-100-(*)-150-E	100 Ω , Class "B" DIN Platinum	3	150 mm
PRTFCU-10-2-100-(*)-225-E	100 Ω , Class "B" DIN Platinum	3	225 mm
PRTFCU-10-2-100-(*)-300-E	100 Ω , Class "B" DIN Platinum	3	300 mm
PRTFCU-10-2-100-(*)-450-E	100 Ω , Class "B" DIN Platinum	3	450 mm
PRTFCU-10-2-100-(*)-600-E	100 Ω , Class "B" DIN Platinum	3	600 mm

* Specify "-M60" for 6 mm or "-M45" for 4.5 mm for probe diameter. To order with shrink tube strain relief, specify "-ST" at the end of the model number. To order intermediate lengths change model number, using the next longer length for price. Over 600 mm, additional cost per 25 mm of probe length. Probes supplied 3-wire standard, 2 and 4-wire may be ordered, consult Sales for price and availability.

Ordering Example: PRTFCU-10-2-100-M60-300-E-ST, 6 mm diameter probe, 300 mm long, 100 Ω Class B element with 1 m of 3-wire PFA insulated cable and shrink tube strain relief.