

Cut-to-Length RTD

For Field Adaptable Applications

PRCTL Series



- ✓ 316 Stainless Steel Sheath
- ✓ Field Cuttable to Desired Length
Tubing Cutter Needed (3" Length Minimum)
- ✓ Available in 100 Ω DIN Platinum Class "A" or Class "B"
- ✓ 3-Wire Configuration Standard, 4-Wire Available
- ✓ All Sensors Supplied with IEC60751/ASTM E-1137 Color Codes
- ✓ 1/4", 3/16", 6 mm and 4.5 mm Diameters Standard
- ✓ PFA Insulated Lead Wires Standard—Available with SS Overbraid; Available with Glass Insulation
- ✓ Temperature Range: -50 to 260°C

PRCTL-2-100-A-1/4-24-40 shown smaller than actual size.

Sensor can be trimmed to length using a standard tube cutter as shown. Use caution not to cut through the sensor wires when cutting tube and replace plastic plug in tube end when finished.



Standard Dimensions

To Order					
Model Number	Resistance at 0°C	Sheath Diameter	Sensor Length	No. of Wires	Wire Length
PRCTL-2-100-A-1/4-24-40	100 Ω, Class A	0.250 mm (1/4")	24"	3	40"
PRCTL-2-100-A-3/16-24-40	100 Ω, Class A	0.188 mm (3/16")	24"	3	40"
PRCTL-2-100-B-1/4-24-40	100 Ω, Class B	0.250 mm (1/4")	24"	3	40"
PRCTL-2-100-B-3/16-24-40	100 Ω, Class B	0.188 mm (3/16")	24"	3	40"

For 4 wire configuration change "2" to "3" in the model number. For sheath lengths greater than 24" change model number to length desired for an additional cost per inch. For stainless steel overbraid on the PFA insulated lead wires add "-SB" to model number for an additional cost. For glass insulated lead wires add "-GG" to model number for an additional cost. For wire lengths greater than 40", change model number to length desired for an additional cost per foot.

Ordering Examples: PRCTL-2-100-A-1/4-36-40-SB, 1/4" diameter x 36" long sheath with 3-wires PFA insulated with stainless steel overbraid 40" long, 100 Ω class A platinum RTD.

PRCTL-2-100-B-3/16-24-40-GG, 3/16" diameter x 24" long sheath with 3-wires Fiberglass insulated 40" long, 100 Ω class B platinum RTD.

Metric Dimensions

Model Number	Resistance at 0°C	Sheath Diameter	Sensor Length	No. of Wires	Wire Length
PRCTL-2-100-A-M6-600-1	100 Ω, Class A	6 mm	600 mm	3	1 m
PRCTL-2-100-A-M4.5-600-1	100 Ω, Class A	4.5 mm	600 mm	3	1 m
PRCTL-2-100-B-M6-600-1	100 Ω, Class B	6 mm	600 mm	3	1 m
PRCTL-2-100-B-M4.5-600-1	100 Ω, Class B	4.5 mm	600 mm	3	1 m

For 4 wire configuration change "2" to "3" in the model number. For sheath lengths greater than 600 mm change model number to length desired for an additional cost per 25 mm. For stainless steel overbraid on the PFA insulated lead wires add "-SB" to model number for an additional cost. For glass insulated lead wires add "-GG" to model number for an additional cost. For wire lengths greater than 1 m, change model number to length desired for an additional cost per 300 mm.

Ordering Examples: PRCTL-2-100-A-M6-600-1-SB, 6 mm diameter x 600 mm long sheath with 3-wires PFA insulated 1 m long, 100 Ω class A platinum RTD.

PRCTL-2-100-B-M4.5-600-1-GG, 4.5 mm diameter x 600 mm long sheath with 3-wires fiberglass insulated 1 m long, 100 Ω class B platinum RTD.