Resistance Temperature Sensing

Style RTD7 — Connection Head with 1/2" NPT Hex Nipple

Two Construction Styles to suit any application
(See Ordering Code Box 10)

✴ Standard Industry Tube and Wire construction with fiberglass 900°F (482°C) or Teflon® 392°F (200°C) lead wires.
✴ Mineral Insulated construction rated up to 1200°F (650°C). This construction type allows forming and bending the sheath to meet design requirements.

Ordering Code: RTD7

Element BOX 1
S = 100Ω Single
D = 100Ω Dual
K = 1000Ω Single
L = 1000Ω Dual
TCR = .00385 ohm/ohm/°C

Element Class BOX 2
A = ±0.06% at 0°C, Optional
B = ±0.12% at 0°C, Standard

Number of Leads BOX 3
2 = 2-wire circuit
3 = 3-wire circuit
4 = 4-wire circuit (Dual circuit not available)
0.125” O.D. (Dual circuit not available)

Sheath Length “L” BOX 6
Whole inches
01 to 99
For lengths over 99 in. consult TEMPCO.

Connection Head BOX 8
A = Standard Size Aluminum
B = Medium Size Aluminum
C = Miniature Aluminum
H = Standard Cast Iron

Note: Conduit connection for A, F, H & S is 1/2” (3/4” available); for B & C is 3/8”; and for P is 3/4” NPT.
For overall dimensions see pages 14-98 through 14-100.

Spring-Loaded Probe BOX 9
O = Not Required
Y = Required

RTD Construction Type BOX 10
Standard Industry Construction
S = Fiberglass insulated 900°F (450°C)
T = Teflon® Insulated 392°F (200°C)

Mineral Insulated Construction
M = MgO Insulated 1200°F (650°C)

Note: Type “M” not available for “K” or “L” from Element Box 1

Sheath Material BOX 5
B = 304 SS
C = 316 SS
A = Alloy 600
(Type “M” Only; See Box 10)

Sheath Length “L” BOX 7
Fractional inches
0 = 0”
1 = 1/8”
2 = 1/4”
3 = 3/8”
4 = 1/2”
5 = 5/8”
6 = 3/4”
7 = 7/8”

Special Requirements BOX 11
X = Specify
0 = None

Ordering Information
RTDs are offered with the options listed in the worksheet below. Create an ordering code by filling in the boxes with the appropriate number and/or letter designation for your requirements, and a part number will be assigned.

"L"