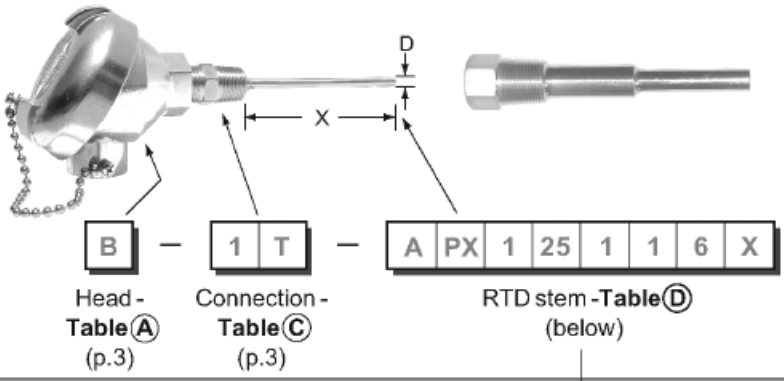
RTD's (Resistance Temperature Detectors)



How to Order

1. Head - Table Ⓐ (p.3)
2. Transmitter (option) - Table Ⓑ (p.3)
3. Connection - Table Ⓒ (p.3)
4. Stem - Table Ⓓ

TABLE Ⓓ RTD Stems

STEP 1 - RTD Style

A = Style "A" (stem for complete assembly)

STEP 2 - Sensor Material (Px is standard)

Insert Letter designated below.

Px - Platinum 0.00385 Ω/Ω/ °C
P - Platinum 0.00392 Ω/Ω/ °C
N - Nickel 0.06725 Ω/Ω/ °C
C - Copper 0.00421 Ω/Ω/ °C

STEP 3 - Temperature

Insert single-digit number designated below.

1 -40°F / 600°F
2 (Extended range) -328°F / 1100°F

STEP 4 - Sheath Diameter

Insert two-digit number designated below

25 = .250 dia. 12 = .125 dia. 18 = .188 dia. 37 = .375 dia.

STEP 5 - Sheath Material

Insert single-digit number designated below.

1 = 316 SS

STEP 6 - Resistance 32°F (0°C) Ohms ± .5% (#1 is standard)

Insert single-digit number designated below

1 = 100Ω (Pt, .00385 & .00392)
4 = 1,000Ω (Pt. .00385 only) 5 = 500Ω (Pt. .00385 only)
7 = 120Ω (Nickel only) 8 = 10Ω (Copper only)

STEP 7 - Determine the required length "X" in inches

Stem length measured from bottom of threads to stem tip.

STEP 8 - Number of Leads/RTD's

Single RTD	Leads/RTD	Duplex RTD
X	3-wire	XX
Y	4-wire	YY

A				1			

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