# Smart RTD with Leads

## Type 1250

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### SENSOR

**RTD Type**
- **RP** 100 ohm Platinum Temperature Coefficient 0.00385 ohms/ohm/°C
- **RN** 120 ohm Nickel (Edison #7) Temperature Coefficient 0.00672 ohms/ohm/°C
- **RC** 10 ohm Copper Temperature Coefficient 0.00427 ohms/ohm/°C

Other temperature coefficients and ohm values available.

**Color code**: Platinum - Red/Red/White<br>Nickel - Red/Red/Black<br>Copper - Red/Red/Green

### Sensor OD
- 18 1/8”
- 316 3/16”
- 14 1/4”
- 38 3/8”

### Construction
- **L** Low Temp up to 500°F
- **H** High Temp up to 900°F
- **M** Mineral Insulated - 900°F
- **DL** Dual Low Temp up to 500°F
- **DH** Dual High Temp up to 900°F
- **DM** Dual Mineral Insulated - 900°F

### Sensor Sheath Material
- **R** 316SS

Other sheaths available.

### LEAD INSULATION
- **MF** Multi Strand (flexible) Fiberglass 22 ga.<br>(use with high temperature)
- **MT** Multi Strand (flexible) Teflon® 22 ga.<br>(use with low temperature)

**Note**: 1/8” OD - 24 gauge

### OPTIONS

- **A** Armor (Stainless Steel)
- **AP** Armor with PVC Jacket
- **AT** Armor with Teflon® Jacket
- **BA** Bayonet Adapter (Adjustable)
- **BF** Bayonet Cap & Spring, (1/8” and 3/16” OD) (Note: inches from cap to tip, fixed)
- **BD45** 45° Bend in Sheath (Note inches from bend to tip)
- **BD90** 90° Bend in Sheath (Note inches from bend to tip)
- **BR18** Adj Brass Comp Fitting 1/8” NPT
- **BR14** Adj Brass Comp Fitting 1/4” NPT
- **BR12** Adj Brass Comp Fitting 1/2” NPT
- **BS** Bell Spring Transition Relief
- **CG12** Weather Tight Fitting 1/2” NPT
- **CR** Cryogenic (M Construction)
- **CV** Connector with Epoxy Sealed Screws
- **DE12** Double Ended Hex Fitting, 1/2” NPT
- **FW** Four-Wire (without connector)
- **GA** Class A
- **HTP** High Temperature Potting (Service over 400°F)
- **HV** High Vibration (M Construction)
- **LB** Connector "L" Bracket
- **NT** No Transition, (Sheath length is over all length)
- **SB** Stainless Steel Overbraid Leads
- **SS18** Adj SS Comp Fitting 1/8” NPT
- **SS14** Adj SS Comp Fitting 1/4” NPT
- **SS12** Adj SS Comp Fitting 1/2” NPT
- **ST** Smooth Transition, (3/16” OD and larger)
- **TA** Tube on Armor, (1/4” OD x 2” long)
- **TF** Teflon® Coated Sheath
- **VH** Vent Hole in Compression Fitting
- **WC** Wire Clamp Bracket for Leads
- **WP** Weld Pad (1” x 1” x 1/8” SS)

*Add T after SS or BF for Teflon® Ferrule

See page B-6 for complete option descriptions.