

Type 1250

|             |          |    |              |                           |   |                         |                 |             |         |
|-------------|----------|----|--------------|---------------------------|---|-------------------------|-----------------|-------------|---------|
| Sensor Type | RTD Type | OD | Construction | Sheath Length<br>(inches) | Sheath Material<br>R - 316SS<br>Other sheaths available | Lead Length<br>(inches) | Lead Insulation | Termination | Options |
| 1250        |          |    |              |                           |   |                         |                 |             |         |

SENSOR

RTD Type

- RP 100 ohm Platinum Temperature  
Coefficient .00385 ohms/ohm/°C
  - RN 120 ohm Nickel (Edison #7)  
Temperature Coefficient  
.00672ohms/ohm/°C
  - RC 10 ohm Copper Temperature  
Coefficient .00427 ohms/ohm/°C
- Other temperature coefficients and ohm values available.

Note: Three-wire, Class B RTD is standard.  
Tolerance per DIN Standard 60751. Leadwire is nickel clad copper multistrand.

Color code: Platinum - Red/Red/White  
Nickel - Red/Red/Black  
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

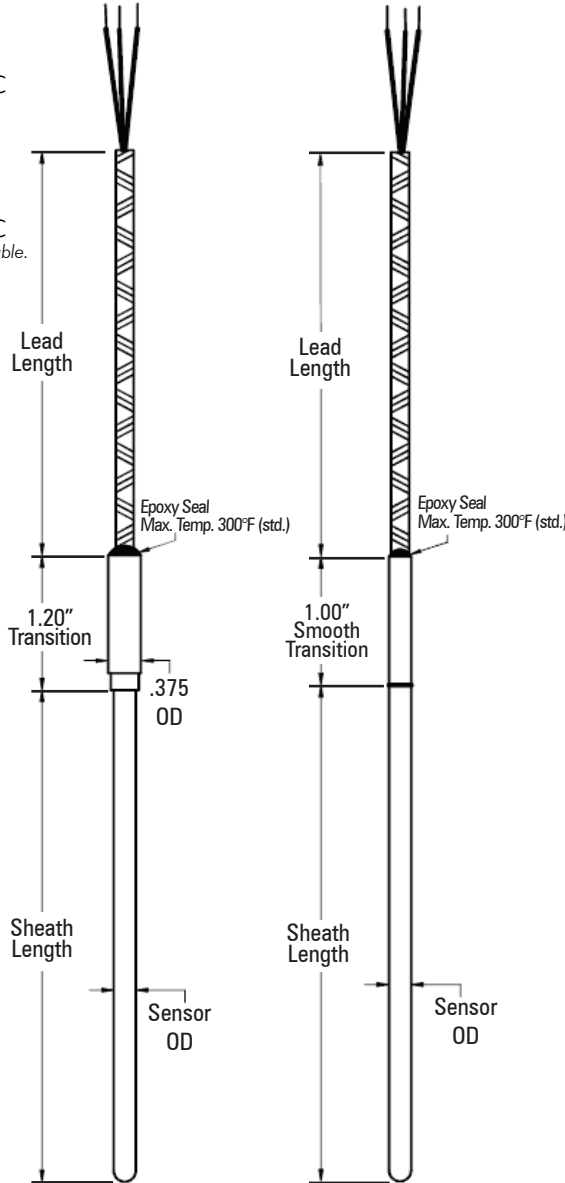
Sensor Sheath Material

- R 316SS
- Other sheaths available.

LEAD INSULATION

- M F Multi Strand (flexible)  
Fiberglass 22 ga.  
(use with high temperature)
- M T Multi Strand (flexible)  
Teflon® 22 ga.  
(use with low temperature)

Note: 1/8" OD - 24 gauge



| Termination Code |                                |
|------------------|--------------------------------|
| 1                | Bare Ends - 2 1/2" std.        |
| 11               | Spade Lugs Single element only |
| 12               | Large Three Pin Plug           |
| 13               | Large Three Pin Jack           |
| 14               | Mini Three Pin Plug            |
| 15               | Mini Three Pin Jack            |

OPTIONS

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

\*Add T after SS or BR for Teflon® Ferrule

See page B-6 for complete option descriptions.