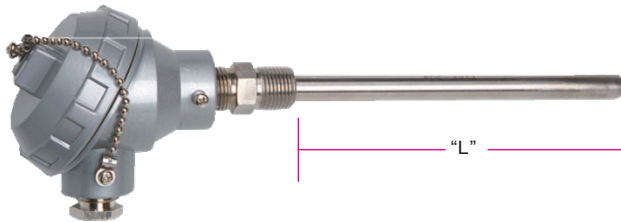




## Style RTD7 — Connection Head with 1/2" NPT Hex Nipple



### 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.

### Design Features

- Platinum Resistance Element.
- HK's connection heads are gasketed to seal against moisture, dust and corrosive or hostile atmospheres.
- Screw covers are attached to body with a plated chain.
- Covers have lugs for tightening or loosening with a screwdriver or wrench.
- Available in single or duplex.
- HK's connection heads are available in die cast aluminum, Bakelite and cast iron in a variety of sizes from miniature for confined areas, to the large universal head designed for heavy process and industrial applications. Please refer to Pg 2 for different types of connection heads

### 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.

Ordering Code: **RTD7** -

#### Element BOX 1

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

#### Sheath Length "L" BOX 6

Whole inches  
**01 to 99**  
 For lengths over 99 in. consult HK.

#### Sheath Length "L" BOX 7

Fractional inches  
**0** = 0" **3** = 3/8" **6** = 3/4"  
**1** = 1/8" **4** = 1/2" **7** = 7/8"  
**2** = 1/4" **5** = 5/8"

#### Element Class BOX 2

**A** = ±0.06% at 0°C, Optional  
**B** = ±0.12% at 0°C, Standard

#### Connection Head BOX 8

**A** = Standard Size Aluminum **S** = Stainless Steel  
**B** = Medium Size **F** = Standard Bakelite  
**C** = Miniature **P** =  
**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"

#### 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 O.D. BOX 4

**F** = 0.125"  
**G** = 0.188"  
**H** = 0.250"

#### 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)  
 (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)

#### Special Requirements BOX 11

**X** = Specify  
**0** = None

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