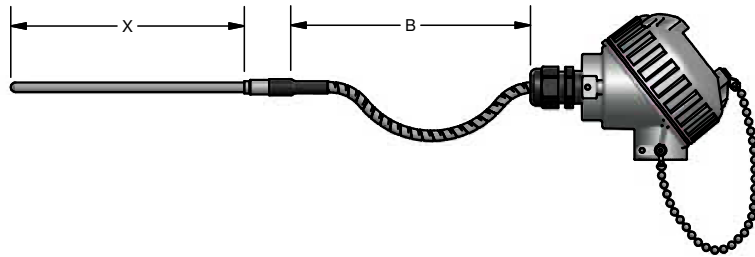


Remote-mounted RTD assemblies are designed for applications where space is limited, or where high ambient temperatures or excessive heat conduction exists. These assemblies are available in a variety of element types, accuracies, sheath diameters, process connections, and head options. These sensors can be mounted into a thermowell with the use of a spring-loaded well fitting, or directly into a process with a welded- or compression-style fitting. They are also available with a variety of optional head-mounted temperature transmitters.



### ORDER CODES

**Example Order Number:**

1-0 1-1 1-2 2-0 3-0 4-0 5-0 6-0 6-1  
**R1T185L 48 3 - 012 - 00 - 16 - T3P048 - AG 31**

#### 1-0 Pt100 ( $\alpha = 0.00385\text{ }^{\circ}\text{C}^{-1}$ ) RTD Assemblies

CODE		TOLERANCE	TEMPERATURE RANGE
SINGLE	DUPLEX		
R1T185L	R1T285L	Grade B	(-200 to 200°C)
R5T185L	R5T285L	(1/5) Class B	(-30 to 150°C)
RBF185L	RBF285L	Class B	(-50 to 200°C)
RAF185L	RAF285L	Class A	(-30 to 200°C)
R1T185H	R1T285H	Grade B	(-200 to 600°C)
RAT185H	RAT285H	Class A	(-100 to 450°C)

#### 1-1 Sheath - 316 SS

CODE	DIAMETER (inches)
38	3/16"
48	1/4"
68	3/8"

#### 1-2 Element Connection

CODE	DESCRIPTION
3	3 wires
4	4 wires

#### 2-0 Sheath Length

Specify 3 digit "X" length in inches

#### 3-0 Sheath Mounting Fittings

CODE	DESCRIPTION	NPT SIZE (inches)
00	No fitting or bushing	
<b>COMPRESSION FITTINGS</b>		
05A	316 SS One-time adjustable	1/8"
05B	316 SS One-time adjustable	1/4"
05C	316 SS One-time adjustable	1/2"
12A	316 SS Readjustable	1/8"
12B	316 SS Readjustable	1/4"
12C	316 SS Readjustable	1/2"
19C	303 SS Spring-loaded well fitting	1/2"

#### 6-1 Head Terminations

CODE	DESCRIPTION
31	Aluminum screw-cover head
34	Cast Iron screw-cover head
49	Flip-top Aluminum head
63	White Polypropylene screw-cover head
91	316L stainless steel screw-cover head

#### Options

I	Stainless Steel Tag
SB	1/2" NPT conduit reducer bushing
T31	(4 to 20) mA head-mounted RTD transmitter
T71-00	(4 to 20) mA isolated programmable transmitter
T72-00	(4 to 20) mA isolated programmable HART® head-mounted transmitter
T82-00	(4 to 20) mA isolated HART® dual Input head-mounted transmitter

#### 6-0 Head Mounting Fittings

CODE	DESCRIPTION
8HN	1/2" x 1/2" NPT Stainless steel hex nipple
9HP	1/2" NPT Stainless steel bushing (no process threads)
8RNDC	1/2" x 3/4" NPT Stainless steel hex nipple
CG	Nylon cord grip
AG	Aluminum cord grip

#### 4-0 Leadwire Transitions

CODE	DESCRIPTION
15	Extension leadwire transition with relief spring 204°C
16	Extension leadwire transition with heat-shrink tubing 104°C
19	Extension leadwire transition with no strain relief 204°C

#### 5-0 Extension Leadwire "B" Dimensions

CODE	DESCRIPTION
T3A <sup>[1]</sup>	Fluoropolymer insulation, stranded conductor, flexible armor
T3P <sup>[1]</sup>	Fluoropolymer insulation, stranded conductor, PVC-coated flexible armor
T3T <sup>[1]</sup>	Fluoropolymer insulation, stranded conductor, FEP-coated flexible armor

[1] Insert 3 digit "B" length in inches.