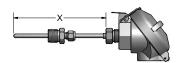
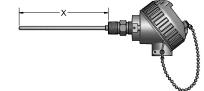


Fixed-Sheath RTD Assemblies with General-Purpose Connection Heads are provided with head mounting fittings that are welded or brazed to the sheath for direct immersion into a process. To order an assembly with an optional 4 to 20 mA transmitter, select the assembly below and the transmitter from the back of this section. The RTD assemblies are supplied with a 316 stainless steel sheath in several diameters. They are available in various tolerances and temperature ranges as noted below.







ORDER CODES

1-0 4-0 4-1 4-2 Select Type and Range Example Order Number: RBF185L 48 006(1/2) 00 8HN SB. from back of section

100 Ω Platinum RTD Elements α = 0.003 85 °C-1

CODE		TOLERANCE ^[1]	TEMP. 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	
[4] Defeate DTD telegrape information in the				

[1] Refer to RTD tolerance information in the General Information section for calculations to determine specific tolerance at temperature.

3-0 No Fitting

CODE 00

332 33			
3-1 One-Time Adjustable Fittings			
CODE	TYPE	NPT SIZE (inches)	AVAILABLE SHEATH DIAMETERS (inches)
05A	316 SS	1/8	1/8, 3/16, 1/4
05B	316 SS	1/4	1/8, 3/16, 1/4, 3/8
05C	316 SS	1/2	1/8, 3/16, 1/4, 3/8
15A	Brass	1/8	1/8, 3/16, 1/4
15B	Brass	1/4	3/16, 1/4, 3/8
15C	Brass	1/2	1/4, 3/8
14	Brass/ Steel	Flange	1/8, 3/16, 1/4, 3/8

4-0 Head Mounting Fittings

CODE	DESCRIPTION
6HN	1/2" x 1/2" NPT steel hex nipple 1" "E" length
8HN	1/2" x 1/2" NPT stainless steel hex nipple 1" "E" length
9HP	1/2" NPT stainless steel bushing (no process threads)
8RNDC	3/4" x 1/2" NPT stainless steel hex nipple

1-1 Sheath Diameters

CODE	DIAMETERS (inches) 316 SS
28[1]	1/8
38	3/16
48	1/4
68	3/8
[1] Not available in duplex	

1-2 Element Connection

CODE	DESCRIPTION	
2	2-wire element	
3	3-wire element	
4[1]	4-wire element	

[1] Not available in duplex or with 440 Series Transmitter

2-0 "X" Dimensions

Insert three digit "X" length in inches.

Sheath lengths over 72" will be shipped in a coiled configuration unless otherwise specified.

3-2 Re-Adjustable Compression Fittings

CODE	TYPE	NPT SIZE (inches)	AVAILABLE SHEATH DIAMETERS (inches)
12A	316 SS	1/8	1/8, 3/16, 1/4
12B	316 SS	1/4	1/8, 3/16, 1/4, 3/8
12C	316 SS	1/2	1/8, 3/16, 1/4, 3/8
11A	Brass	1/8	1/8, 3/16, 1/4
11B	Brass	1/4	1/8, 3/16, 1/4, 3/8
11C	Brass	1/2	1/4, 3/8
19C	Spring-loaded SS well fitting	1/2	3/16, 1/4

FEP gland standard 204 °C [400 °F] max.

3-3 Fixed Bushings[1]

CODE	MOUNTING THREAD	AVAILABLE SHEATH
316 SS	NPT (inches)	DIAMETERS (inches)
8A ^[2]	1/8	1/8, 3/16, 1/4
8B ^[2]	1/4	1/8, 3/16, 1/4, 3/8
8C ^[2]	1/2	1/8, 3/16, 1/4, 3/8
8D ^[2]	3/4	1/8, 3/16, 1/4, 3/8

[1] Requires Table 4, Option 9HP Selection

[2] When ordering fixed bushings, specify order code above plus insert length "U", as measured from hot tip to bottom of threaded bushing. EXAMPLE: order code 8A06 is 1/8" NPT, 316 SS bushing located 6" from hot tip.

Head and Sheath Terminations

CODE	DESCRIPTION	
22	3" Individual fluoropolymer leads with terminal pins	
31	Aluminum screw-cover head	
34	Cast iron screw-cover head	
35T-642A	(4 to 20) mA HART® Field Transmitter with aluminum general-purpose housing	
36T82-	(4 to 20) mA dual input HART® transmitter	
D10	with digital display and general-purpose aluminum housing with glass lid	
37T-662A	(4 to 20) mA HART® dual cavity field temperature transmitter with general-purpose aluminum housing	
49	Flip-top aluminum head	
63	White polypropylene screw-cover head	
91	316 L stainless steel screw-cover head	
4-2 O _I	otions	
W ^[1]	Epoxy Coating	
GS	Ground screw	
1	Stainless tag	
NB	1/2" NPT nylon conduit reducer bushing	
SB	1/2" NPT conduit reducer bushing	
T-440	(4 to 20) mA head-mounted RTD transmitter	
T-441	(4 to 20) mA isolated head-mounted transmitter	
T-442	(4 to 20) mA isolated HART® head-mounted transmitter	
T82-00	(4 to 20) mA dual input HART® head- mounted transmitter	
See transn	nitter ordering information in back of section.	
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[1] Available with option 31 only.

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