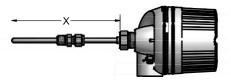
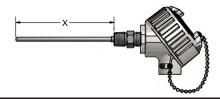
ensors with onnection Heads

Fixed-Sheath RTD Assemblies with Explosion-Proof 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 option 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



1-0 100 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	
[1] Pefer to PTD telerance information in the				

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

1-1 Sheath Diameters

DIAMETERS		
CODE	(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.

3-0 No Fitting

CODE 00

3-1	One-Tin	ne Adjus	stable Fittings
		NPT	AVAILABLE
CODE	TVDE		SHEATH
CODE	ITE	SIZE	DIAMETERS

(inches) 01A 303 SS 1/8, 3/16, 1/4 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, 1/4, 3/8 Brass 1/8, 3/16, 1/4 15A 1/8 15B Brass 1/4 3/16, 1/4, 3/8 15C Brass 1/2 1/4, 3/8 Brass Flange 1/8, 3/16, 1/4, 3/8 14

Re-Adjustable Compression Fittings

Steel

		NPT SIZE	
CODE	TYPE	_	AVAILABLE SHEATH
		(inches)	DIAMETERS (inches)
10A	303 SS	1/8	1/8, 3/16
10B	303 SS	1/4	1/4, 3/8
10C	303 SS	1/2	1/4, 3/8
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, 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.			

Fixed Bushings[1]

316 SS	MOUNTING THREAD NPT (inches)	AVAILABLE SHEATH DIAMETERS (inches	
8A[11]	1/8	1/8, 3/16, 1/4	
8B[1]	1/4	1/8, 3/16, 1/4, 3/8	
8C[1]	1/2	1/8, 3/16, 1/4, 3/8	
8D ^[1]	3/4	1/8, 3/16, 1/4, 3/8	
111 Dominos	Table 4 Ontion OHP Solocti	Ln.	

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.

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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	

4-1 Head Terminations

CODE	DESCRIPTION
74	Dual conduit DIN form B aluminum explosion-proof/flame-proof head, NEC, IEC, Atex approved
75T-642C	(4 to 20) mA HART® field transmitter with aluminum explosion-proof housing, Group A
76T82-D10	(4 to 20) mA dual input HART® Field Transmitter with digital display and explosion-proof aluminum housing, Group A
77T-662C	(4 to 20) mA HART® Field Transmitter with dual cavity explosion-proof aluminum housing, Group A
93	Aluminum explosion-proof/flame-proof head, NEC, IEC, Atex approved
94	316L stainless steel explosion-proof/flame- proof head, NEC, IEC, Atex approved
4-2 Op	tions
SB	1/2" NPT conduit reducer bushing
I	Stainless tag
T-440 ^[1] (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, isolated HART® head-mounted transmitter
See transm section.	itter ordering information in back of

[1] Not available with option 74.

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