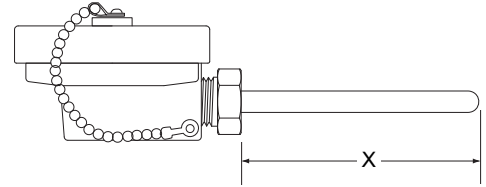
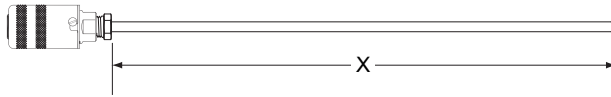


Sensors with Connection Heads

Configuration Code GP07 Fixed Sheath RTD Assemblies with Miniature Connection Heads

Fixed length RTD assemblies with miniature heads are offered with mounting fittings that are welded or braze to the sheath for direct immersion into a process. The miniature heads offer a compact design and are ideal for laboratory applications or applications where space is limited. The RTD assemblies are supplied with a 316 stainless steel sheath in several diameters. They are offered in various initial accuracies and temperature ranges as noted below.



ORDER CODES

Example Order Number: **RBF185L 48 3 - 006(1/2) - 00 - 8HPB 25**

1-0 100 Ω Platinum RTD Elements
 $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$

CODE	INITIAL ELEMENT ACCURACY 0 °C
LOW RANGE WIRE WOUND (-200 - 204) °C	
SINGLE	
R1T185L	± 0.1%
R5T185L	± 0.01%
LOW RANGE THIN FILM (-40 TO 204) °C	
RBF185L	± 0.12%
RAF185L	± 0.06%
HIGH RANGE WIRE WOUND (-200 TO 600) °C	
R1T185H	± 0.1%

1-1 Sheath Diameters

CODE	DIAMETERS (inches) 316 SS
28	1/8
38	3/16
48	1/4
68	3/8

1-2 Element Connection

CODE	DESCRIPTION
2	2 wire element
3	3 wire element
4	4 wire element

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.

1-0 1-1 1-2 2-0 3 4-0 4-1

3-0 No Fitting or Bend Options

CODE	DESCRIPTION
00	No fitting or bend options

3-1 One-Time Adjustable Compression Fittings

CODE	TYPE	NPT SIZE (inches)	PRESSURE RATED	AVAILABLE SHEATH DIAMETERS (inches)
01A	303 SS	1/8	NO	1/8, 3/16, 1/4
05A	316 SS	1/8	YES	1/8, 3/16, 1/4
05B	316 SS	1/4	YES	1/8, 3/16, 1/4, 3/8
05C	316 SS	1/2	YES	1/8, 1/4, 3/8
15A	Brass	1/8	NO	1/8, 3/16, 1/4
15B	Brass	1/4	NO	3/16, 1/4, 3/8
15C	Brass	1/2	NO	1/4, 3/8

3-2 Re-Adjustable Compression Fittings

CODE	TYPE	NPT SIZE (inches)	AVAILABLE SHEATH 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

Teflon® gland standard 204 °C [400 °F] max.

3-3 Fixed Bushings

CODE	MOUNTING THREAD NPT (inches)	AVAILABLE SHEATH DIAMETERS (inches)
316 SS		
8A __ [1]	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

[1] When ordering fixed bushings, specify order code above plus inserting 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.

4-0 Head Mounting Fittings

CODE	DESCRIPTION
9HNB	1/4" x 1/4" stainless steel hex nipple
8HPB	1/4" stainless steel hex bushing (no process threads)
8CFB	1/4" NPT 316 stainless steel compression fitting (no process threads)
22CFB	1/4" NPT brass compression fitting (no process threads)

4-1 Miniature Head Terminations

CODE	DESCRIPTION
17	Miniature plastic head (3/8" NPT conduit opening)
25	Miniature nickel-plated head