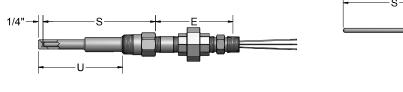
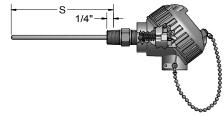


Spring-Loaded RTD/Thermowell Assemblies with General-Purpose Connection Heads are designed for use with various thermowell types. Complete assemblies can be ordered by selecting the RTD assembly below, the thermowell from the thermowell section of this catalog, and a temperature transmitter from the back of this section. Assemblies without a thermowell can be ordered by selecting the sensor assembly from this page and inserting the "S" length in table 2-0. These sensors are supplied with a 316 stainless steel sheath and are available in various tolerances and temperature ranges as noted in the tables below.





ORDER CODES 1-1 1-2 3-0 4_0 Select Thermowell Part # or Select Type and Range Example Order Number: R1T185L 48 3 SL T-8HN 31. Insert 3 Digit Length Code 1-0 100 Ω Platinum RTD Elements α = 0.003 85 °C-1

CODE		TEMP. RANGE
DUPLEX		
R1T285L	Grade B	(-200 to 200) °C
R5T285L	(1/5) Class B	(-30 to 150) °C
RBF285L	Class B	(-50 to 200) °C
RAF285L	Class A	(-30 to 200) °C
R1T285H	Grade B	(-200 to 600) °C
RAT285H	Class A	(-100 to 450) °C
	DUPLEX R1T285L R5T285L RBF285L RAF285L R1T285H	TOLERANCE TOLE

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

1-1 Sheath Diameters

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

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		

Select thermowell part number from Thermowell Section, or specify 3 digit "S" length in inches if no thermowell is required.

2-0

3-0 Element Options

CODE	DESCRIPTION	
SL ^[1]	Spring-loaded element	
SC	Self-contained spring-loaded element	
SN Self-contained spring-loaded element with Buna-N oil seal 121°C [250°F] 100 PSI Ma		
[1] Not available with option 35T, 36T, or 37T		

4-0 Head Mounting Fittings

CODE	DESCRIPTION	CODE	DESCRIPTION
STEEL	FITTINGS	316SS F	FITTINGS
6HN	1/2" x 1/2" NPT hex nipple 1" length	8HN	1/2" x 1/2" NPT hex nipple 1" length
6PN_	1/2" NPT pipe nipple (specify "E" length in inches)	8PN_	1/2" NPT pipe nipple (specify "E" length in inches)
6PU_ [1]	1/2" NPT union/nipple (specify "E" length in inches)	8PU_ [1]	1/2" NPT union/nipple (specify "E" length in inches)
[1] 4" Minimum length required			

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-D10	(4 to 20) mA dual input HART® transmitter 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 Options		
W ^[1]	Epoxy Coating	
GS	Ground screw	
l	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 transm	itter ordering information in back of section.	
[1] Available	with option 31 only.	

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