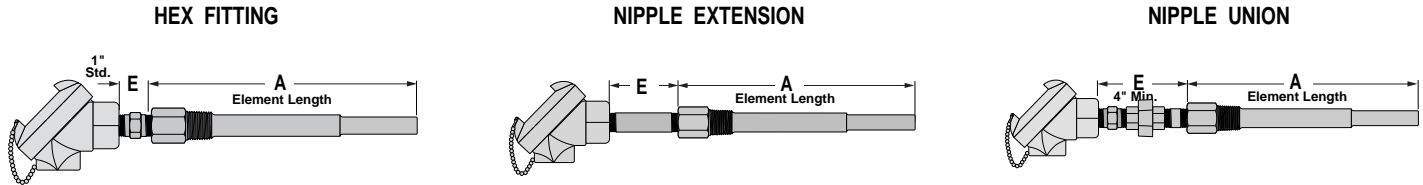


SPECIAL PURPOSE

RTD ASSEMBLIES in THERMOWELLS

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The RTD elements and assemblies described on this page are for use with .260" ID and .385" ID drilled or flanged thermowells and are supplied with 1/4" or 3/8" OD 316 SS sheaths. Complete RTD thermowell assemblies can be ordered by selecting the desired RTD assembly information from this page and selecting the desired thermowell from pages SP-24 and SP-25. The assemblies are available in both a low or a high temperature range as noted in the tables below.



EXAMPLE ORDER NUMBER:

1 R1T185L3 - **2** Thermowell Selection from SP-24 or SP-25 - **3** 801 - **4** 63 - **5** R

1

3-WIRE 100 OHM PLATINUM RTD SENSORS			
LOW TEMPERATURE RANGE: -328 to 400°F (-200 to 204°C)			
ORDER CODE		TEMP. COEF.	ACCURACY @ 0°C
SINGLE	DUPLEX		
R1T185L3	R1T285L3	.00385	± .1%
R3T185L3	R3T285L3	.00385	± .03%
R5T185L3	R5T285L3	.00385	± .01%
R1T191L3	R1T291L3	.00391	± .1%
R3T191L3	R3T291L3	.00391	± .03%

1

3-WIRE 100 OHM PLATINUM RTD SENSORS			
HIGH TEMPERATURE RANGE: -328 to 1112°F (-200 to 600°C)			
ORDER CODE		TEMP. COEF.	ACCURACY @ 0°C
SINGLE	DUPLEX		
R1T185H3	R1T285H3	.00385	± .1%
R3T185H3	R3T285H3	.00385	± .03%
R5T185H3	R5T285H3	.00385	± .01%
R1T191H3	R1T291H3	.00391	± .1%
R3T191H3	R3T291H3	.00391	± .03%

Elements of different materials and values can be selected from the RTD catalog section pages RTD-1 and RTD-2

2

Select Desired Drilled or Flanged Thermowell Order Code Number From Page SP-24 or SP-25

5

ASSEMBLY OPTIONS	
ORDER CODE	DESCRIPTION
I	S. Steel tag (1" x 2" x .040" - Specify Tag ID)
R	Spring loaded element
T	Head mounted temp. transmitter (See ordering information on page RTD-11)

4

HEAD TERMINATIONS	
ORDER CODE	DESCRIPTION
19	Explosion proof screw cover
31	Aluminum screw cover
34	Cast iron screw cover
53	Delrin screw cover (T/C standard)
63	Polypropylene screw cover (RTD standard)
HEAD OPTIONS	
B	Head with internal ground screw
W	White epoxy coating (head codes 19, 31, 34)
HS	Head w/wire seal security screws

3

WELL EXTENSIONS "E"			
ORDER CODE	ORDER CODE	ORDER CODE	EXTENSION "E" LENGTH
STEEL	304 SS	316 SS	
601		801	1" hex fitting
604	904	804	4" with nipple
6--	9--	8--	Specify 'E' lgth. in inches
604P	904P	804P	4" with nipple/union
6--P	9--P	8--P	Specify 'E' lgth. in inches

Replacement sensors and sensors with a head and mounting fitting can be ordered from catalog section "RTD Assemblies" (sheathed element types). The "X" immersion length (element length below the mounting thread) can be determined by using these formulas.

"X" IMMERSION LENGTH (BELOW MOUNTING THREADS) FORMULAS		
IMMERSION STYLE	ASSEMBLY with HEAD, MTG, FITTING, and SENSOR	REPLACEMENT SENSOR ONLY
Fixed	X = WELL "A" LENGTH MINUS 1/2"	X = WELL "A" + "E" LENGTH PLUS 1"
Spring Loaded Sheaths	X = WELL "A" LENGTH	X = WELL "A" + "E" LENGTH PLUS 1"