

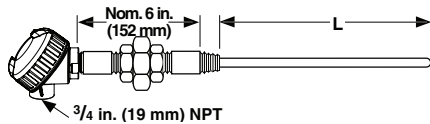
Resistance Temperature Sensors



RTDs

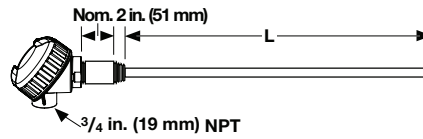
For Use With Thermowells Style RT

Type 1



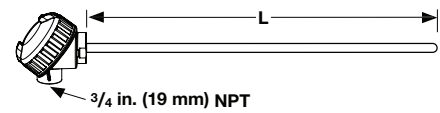
6 inch N-U-N Typical (2 each 1/2 X 3 inch steel pipe nipples and 1 each malleable union)

Type 3



1/2 x 3 inch long steel pipe nipple typical

Type 4



Ordering Information

Part Number

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
RT	Sheath O.D. (in.)	Conn. Head	Cold End Config.		0	Sheath Const.	Sheath Length "L" (in.)	Sheath Length "L" (fract. in.)	Element	Initial Element Accuracy	0	Spring-Loading	Tag Style	

3 Sheath O.D. (in.)	
J =	0.250
Note: Supplied with 24 gauge wire.	

4 Connection Head	
C =	Polypropylene
D =	Cast iron
E =	Cast aluminum
H =	Explosion proof
U* =	E head with 5750 transmitter
V* =	C head with 5750 transmitter
W* =	H head with 5750 transmitter
* For units with transmitter, the order must specify a range and degree F or C, as well as a temperature span.	

5 Cold End Configuration	
1 =	Type 1
3 =	Type 3
4 =	Type 4

7 Sheath Construction		
	-58 to 500°F (-50 to 260°C) 316 SS	-328 to 1200°F (-200 to 650°C) 316 SS
Standard industrial (0.125 - 0.250 in. O.D.) (Max. length 36 in.)	A	—
Mineral insulated (0.125 - 0.250 in. O.D.) (Max. length 165 in.)	—	K

8 9 Sheath Length "L" (in.) - See Drawings Above	
*When ordering a complete assembly with thermowell, specify "AR" as required and reference pages 103 to 107 for "U" dimension; otherwise, specify the "L" dimension in whole inches.	
*Note, maximum sheath length is 36 inches for sheath construction A.	

10 Sheath Length "L" (fractional in.)	
0 =	No fraction, whole inches
1 =	1/8
2 =	1/4
3 =	3/8
4 =	1/2
5 =	5/8
6 =	3/4
7 =	7/8

11 Element			
	2-Wire	3-Wire	4-Wire
100Ω single	A	B	C
100Ω dual*	D	E	—
1000Ω single*	J	K	L
* Available with standard industrial construction only.			

12 Initial Element Accuracy @ 0°C	
A =	DIN Class A (±0.06%)
B =	DIN Class B (±0.12%)

14 Spring -Loading	
Y =	Yes
N =	No

15 Tag Style	
0 =	Polymeric
1 =	300 SERIES SST

Features and Benefits

High quality thermowells and pipe wells

- Protects sensor

Mineral insulated construction

- Available in 0.125 to 0.250 inch O.D.

Available with spring-loading

- Ensures positive contact

Complete assembly available

- Head-mounted 4-20mA transmitter, three- or four-wire input and non-isolated

Variety of connection head options

- Meets your application requirements