

RTDs and Thermistors

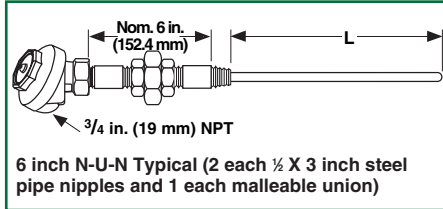


For a complete RTD assembly, add thermowell part number. See thermowell section, pages 144 to 146.

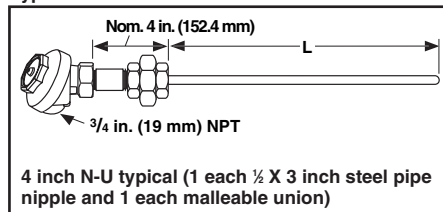
RTD Style RT

For Use with Thermowells

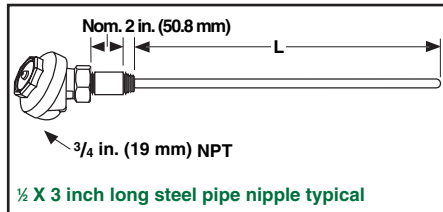
Type 1



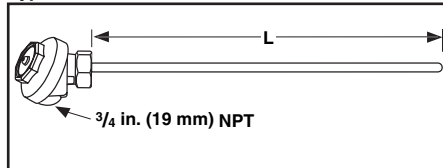
Type 2



Type 3



Type 4



Features and Benefits

High quality thermowells and pipe wells

- Protect 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, two- or three-wire input and non-isolated

Variety of connection head options

- Meet your application requirements

Custom Ordering Information—Items in **Bolded Green Type** are preferred with shorter lead times.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	R	T				0									0
3. Sheath O.D. (inch)	_____														
G = 0.125 J = 0.250															
H = 0.188															
4. Connection Head	_____														
C = Polypropylene															
D = Cast iron															
E = Cast aluminum															
H = Explosion proof															
U ^① = E head with 5750 transmitter															
V ^① = C head with 5750 transmitter															
W ^① = H head with 5750 transmitter															
5. Cold End Configuration^②	_____														
Type 1 Type 2 Type 3 Type 4															
6. Enter "0"	_____														
7. Sheath Construction	_____														
	-50 to 260°C			-200 to 650°C											
	(-58 to 500°F)			(-328 to 1200°F)											
	316 SS			316 SS											
Standard Industrial	A			—											
Mineral Insulated	—			K											
8-9. Sheath Length "L" (see drawings at left)	_____														
When ordering a complete assembly with thermowell, specify "AR" as required. Otherwise, specify the "L" dimension in whole inches.															
10. Sheath Length "L" (fractional inch)	_____														
0 = No fraction, whole inches															
1 = 1/8 3 = 3/8 5 = 5/8 7 = 7/8															
2 = 1/4 4 = 1/2 6 = 3/4															
11. Element	_____														
	2-wire		3-wire		4-wire										
100Ω Single	A		B		C										
12. Temperature Coefficient	_____														
DIN 0.00385															
A = Class A															
B = Class B															
14. Spring-Loading	_____														
Y = Yes N = No															
15. Special Requirements	_____														
0 = None															
X = Special requirements, consult factory															

① Units with transmitter, buyer to specify range and degree C or F, as well as temperature span.

② Other sizes, lengths and materials available. Consult factory.



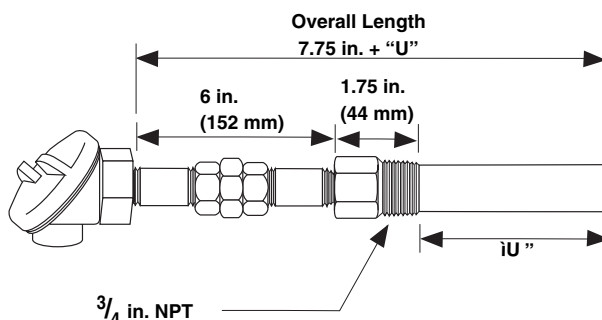
For further details on Watlow connection heads see the hardware section of this catalog, pages 156 to 157.

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Style RT with Thermowell

Straight Well

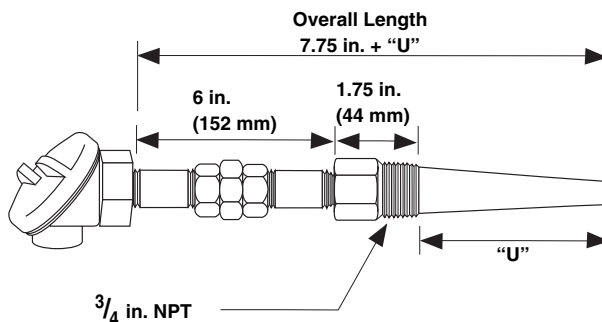


Rapid Ship Sensors

Rapid Ship sensors come with 316 SS straight well, nipple-union-nipple, 0.250 inch diameter spring loaded element, 100Ω DIN 0.00385 curve, Class A and three-wire RTD. Temperature rating -50 to 260°C (-58 to 500°F).

Calibration	"U"		Overall Length		Part Number
	in.	(mm)	in.	(mm)	
A	2.5	(64)	10.25	261	RTJE1SF024BA0Y0
	4.5	(114)	12.25	312	RTJE1SF044BA0Y0
	7.5	(191)	15.25	388	RTJE1SF074BA0Y0
	10.5	(267)	18.25	465	RTJE1SF104BA0Y0

Tapered Well



Rapid Ship Sensors

Rapid Ship sensors come with 316 SS tapered well, nipple-union-nipple, 0.250 inch diameter spring loaded element, 100Ω DIN 0.00385 curve, Class A and three-wire RTD. Temperature rating -50 to 260°C (-58 to 500°F).

Calibration	"U"		Overall Length		Part Number
	in.	(mm)	in.	(mm)	
A	2.5	(64)	10.25	261	RTJE1TF024BA0Y0
	4.5	(114)	12.25	312	RTJE1TF044BA0Y0
	7.5	(191)	15.25	388	RTJE1TF074BA0Y0
	10.5	(267)	18.25	465	RTJE1TF104BA0Y0