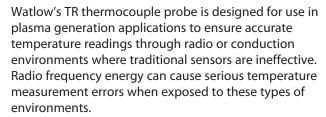
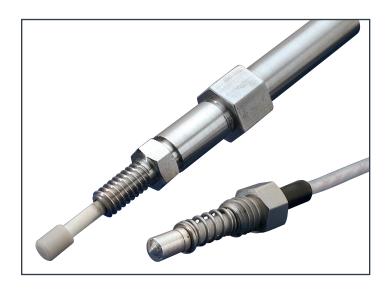


Radio Frequency Thermocouples

Accurate, Temperature Readings Through Radio or Conduction Environments



The TR probe is constructed using a unique combination of high performance materials. The sensor tip is made from high thermal conductivity materials to provide a quick response time. High dielectric insulation electrically insulates the sensor from capacitive coupling. Lead wires are twisted to improve common mode rejection and reduce induced EMI (electromagnetic interference).



Features and Benefits

3000VDC dielectric rating

• Allows thermocouple to be used in platens with dc bias

High thermal conductivity design

• Ensures accurate, repeatable measurements

High CMMR lead wire design

• Reduces induced error from EMI

Options

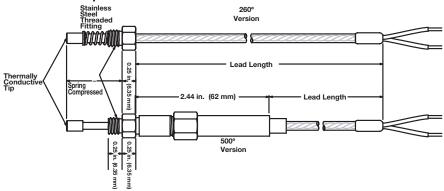
- Type K calibration
- 0.875 in. (22.23 mm) to 1.5 in. (38.1 mm) immersion depths
- 5/16 18 or M8 threaded fitting
- 260 or 500°C rated constructions



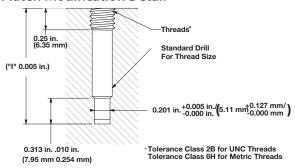


Dimensional Drawings

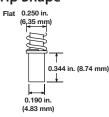
TR Thermocouple



Platen Modification Detail



Tip Shape



Ordering Information

Part Number

12	3	4	56	7	8	9	10 11	12
	Max. Temp	Tip Shape	lmm Depth "I"	Threaded Fitting Size	Junction Type	Calibration	Lead Length <i>"</i> L"	Lead Wire Term.
TR								

3	Maximum Temperature			
C = 260°C silver-pla	ted copper tip			
N = 500°C aluminur	n nitride tip (AIN)			
4	Tip Shape			
F = Flat				
56	Immersion Depth "I" (in.)			
From tip to top of threads, spring compressed				
08 = 0.875				
10 = 1.000				
11 = 1.125				
12 = 1.250				
13 = 1.375				
15 = 1.500				
7	Threaded Fitting Size			
5 = ⁵ / ₁₆ -18 UNC-2A				
8 = M8 x 1.25-6g				

8	Junction Type					
U =	Ungrounded single					
9	Calibration					
$K = $ Special limits K (± 1.1 °C or ± 0.4 %)						
10 (1	Lead Length "L"					
XX =	12 to 48 in.					
12	Lead Wire Terminations					
From tip to top of threads, spring compressed						
A =	Standard male plug					
B =	Standard female jack					
C =	Standard plug with mating connector					
F =	Miniature male plug					
G =	Miniature female jack					
H =	Miniature plug with mating connector					
T =	Standard, 1.5 in. split leads					
U =	1.5 in. split leads with spade lugs					

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