

Sheath Material Table 3

Sheath Diameter	Thermocouple Element	Sheath Material	Measuring Junction	Immersion Range	Mounting Fitting	Cold-end Termination
Table #1	Table #2	Table #3	Table #4	Table #5	Table #6	Table #7

Sheath Metal	Recommended Maximum Operating Temperature		Melting Temperature	
	°F	°C	°F	°C
Inconel 601	2100	1149	2494	1368
347 Stainless Steel	1650	899	2550	1399
316 Stainless Steel	1650	899	2500	1371
304 Stainless Steel	1650	899	2600	1427
446 Stainless Steel	2000	1093	2550	1399
310 Stainless Steel	2000	1093	2550	1399
316 L Stainless Steel	1650	899	2550	1399
Inconel 600	2100	1149	2600	1427
Hastelloy X	2300	1260	2350	1288
Nickel	2300	1260	2650	1454
Monel	1000	538	2370	1299
Platinum	3050	1677	3223	1773
Molybdenum *	4000	2200	4752	2622
Tantalum *	4500	2480	5425	2996

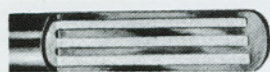
* For use in vacuum or inert atmosphere only

Measuring Junction Table 4

Sheath Diameter	Thermocouple Element	Sheath Material	Measuring Junction	Immersion Range	Mounting Fitting	Cold-end Termination
Table #1	Table #2	Table #3	Table #4	Table #5	Table #6	Table #7

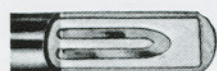
Ordering Code

G Welded Grounded



Most frequently requested, provides complete protection for measuring junction while insuring minimum response time.

I Insulated



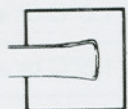
Ungrounded measuring junction is insulated from the sheath. Suggested for use on electrical apparatus or application where stray emf may influence temperature readings.

E Exposed junction



Exposed junctions insure minimum response time not to be used where contaminating conditions exist

WPG Grounded junction with weld pad



Available on 1/8" od and larger, pad dimensions are 1" x 1" x 1/8" material same as thermocouple type

WPI Insulated junction with weld pad