

SUGGESTED UPPER LIMIT FOR OUTSIDE DIAMETER (SINGLE ELEMENT) °C (°F)						
Sheath		Thermocouple Type				
In.	mm	T	J	E	K	N
1/25"	1.0	260° (500°)	260° (500°)	300° (570°)	700° (1290°)	700° (1290°)
1/16"	1.6	260° (500°)	440° (825°)	510° (950°)	920° (1690°)	920° (1690°)
1/8"	3.2	315° (600°)	520° (970°)	650° (1200°)	1070° (1960°)	1070° (1960°)
3/16"	4.8	370° (700°)	620° (1150°)	730° (1350°)	1150° (2100°)	1150° (2100°)
1/4"	6.3	370° (700°)	720° (1330°)	820° (1510°)	1150° (2100°)	1150° (2100°)
3/8"	9.5	370° (700°)	720° (1330°)	820° (1510°)	1150° (2100°)	1150° (2100°)

TEMPERATURE INFORMATION FOR SHEATH MATERIAL				
MATERIAL SYMBOL	SHEATH MATERIAL	MELTING POINT (°F)	MAX. TEMP. IN AIR (°F)	ATMOSPHERE*
H	304SS	2550	1650	ORNV
J	310SS	2550	2100	ORNV
L	316LSS	2550	1650	ORNV
O	446SS	2700	2100	ORNV
M	Inconel 600	2500	2100	ONV
P	Inconel 702	2620	1500	ONV
Q	Platinum	3216	3000	ON
R	Molybdenum	4750	1000	VNR
S	Tantalum	5440	750	V
T	Titanium	3300	600	V
V	STABALLOY	2552	2220	ORNV

\*KEY

O=Oxidizing R=Reducing N=Neutral V=Vacuum

**NEW!**

4, one hour sessions training video.  
\$1200.00 - Call for information.

For high temperature applications 1000°F to 2300°F, new proprietary materials have been developed to perform better than the alloys used in the past.

V = STABALLOY: "...can be used at ultra high temperatures for prolonged periods with little degradation to the thermocouple wires."

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