Thermo-Couple Products Co.

BASIC THERMOCOUPLE ELEMENT

Series 800HT

- For High Temperature (2100˚F and Greater) Applications
- Bare Leads Provided for Terminations of Your Choice
- A Replacement Thermocouple Element

Enter a selection for each item, please fax your inquiry to TCP.

Example: 800HT | C | - | F | - | 14 | - | BO | - | W4 | - | MOL | - | 0 |

800HT - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

CODE	WIRE CALIBRATION
R	Plat. 13% Rhod./Plat.
S	Plat. 10% Rhod./Plat.
B	Plat. 30% Rhod./Plat. 6% Rhod.
C	Tungsten 5% Rhenium/ Tungsten 26% Rhenium
D	Tungsten 3% Rhenium/ Tungsten 25% Rhenium

Consult page 40 for available wires with respect to sheath material.

CODE	SHEATH DIAMETER
C	.062"
D	.125"
F	.250"
M	.375" *(AL_2O_3 only)*

Consult page 40 for available diameters with respect to sheath material.

IMMERSION LENGTH "L"
Specify in inches 01 to 24. For lengths over 24 inches consult factory.

Important:
Consult page 40 for available thermocouple material combinations

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

CODE	SHEATH MATERIAL
INC	Inconel 600
MOL	Molybdenum
TAL	Tantalum
ALO	Aluminum Oxide
PLT	Platinum 10% Rhodium

Consult page 40 for available sheath material with respect to calibration, diameter and insulation.

CODE	JUNCTION STYLE
W2	Grounded Rounded Tip
W4	Ungrounded Rounded Tip
W5	Exposed

W4 is standard

CODE	INSULATION MATERIAL
AO	Aluminum Oxide *(AL_2O_3)*
BO	Beryllium Oxide *(BeO)*
HO	Hafnium Oxide *(HfO_2)*
MO	Magnesium Oxide *(MgO)*

Consult page 40 for available insulation with respect to sheath material.

Limits of Error for High Temperature Thermocouples
Ref ANSI MC96.1, ASTM E-230 AND ASTM E-988*

T/C 0Type	T/C Wires	Temp. Range	Limits of Error	
			Standard	Special
R	Plantinum 13% Rhodium - Platinum	32˚F to 1100˚F 1100˚F to 2700˚F	± 2.5˚F ± .25%	± 1˚F ± .1%
S	Plantinum 10% Rhodium - Platinum	32˚F to 1100˚F 1100˚F to 2700˚F	± 2.5˚F ± .25%	± 1˚F ± .1%
B	Plantinum 30% Rhodium - Platinum 6% Rhodium	1500˚F to 3100˚F	± .5%	N. A.
C*	Tungsten 5% Rhenium- Tungsten 26% Rhenium	32˚F to 800˚F 800˚F to 4200˚F	± 8˚F ± 1%	N. A.
D*	Tungsten 3% Rhenium- Tungsten 25% Rhenium	32˚F to 800˚F 800˚F to 4200˚F	± 8˚F ± 1%	N. A.