



Thermocouples & RTD's

Mineral Insulated Thermocouples

How to Order

Construct part number from table "C".

For Thermowell Assembly:

Insert part number obtained below into assembly part number on page 31.

TABLE C Thermocouples

STEP 1

Metal Sheathed Thermocouple Assembly - Insert "M"

STEP 2 - Sheath Diameter

Insert 2 digit number designated below.

12 = .125in. **18** = .188in **25** = .250 in. **37** = .375in.

STEP 3 - ANSI Type Thermocouple Element

Insert designation below.

K = Chromel Alumel **T** = Copper Constantan
J = Iron Constantan **E** = Chromel Constantan

STEP 4 - Type of Sheath Material

Insert single-digit number designated below.

1 = 316 SS 1700°F (927°C) **3** = 304 SS 1650°F (899°C)
2 = 310 SS 2100°F (1149°C) **5** = Inconel 600 2100°F (1149°C)

STEP 5 - Style

Choose style from "Styles Table". Insert letter(s) below. (For thermowell assemblies specify "A")

STEP 6 - Number of Element

S = Single element assembly
D = Dual element assembly

STEP 7 - Type of Junction

Elements:

G = Grounded
U = Ungrounded

STEP 8 - Probe Length

Length "L" in inches. For complete assembly with thermowell specify "AR" (as required).

STEP 9 - Specify Lead Length

"B" in inches (omit for thermowell assemblies, or where n/a)

M									
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Thermocouple Styles

A

B

C

Thermocouple Styles

D

H

Need something you don't see?
 Call REOTEMP for information.
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How to Order

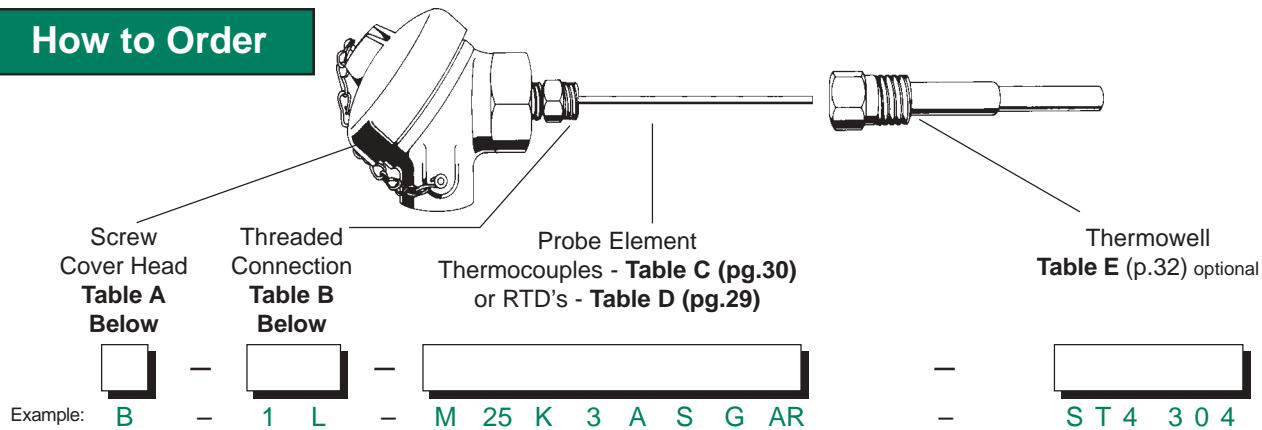


TABLE A	Screw Cover Heads
UNIVERSAL CAST IRON	TYPE A
	<ul style="list-style-type: none"> Universal head Cast iron Heavy Duty 1/2 NPT process with 3/4 NPT conduit is standard
UNIVERSAL CAST ALUMINUM	TYPE B
	<ul style="list-style-type: none"> Universal head Cast aluminum 1/2 NPT process with 3/4 NPT conduit is standard
FDA WHITE POLY	TYPE S
	<ul style="list-style-type: none"> Screw cover Poly head Impervious to most corrosive media 1/2 NPT process with 3/4 NPT conduit SS Chain & Screws
EXPLOSION PROOF	TYPE E
	<ul style="list-style-type: none"> Explosion Proof Cast aluminum body & cap For use with two wire transmitter Rated for Class I, Groups C, D, Class II, Groups E, F, G, Class III 1/2 NPT process with 1/2 NPT conduit is standard

Transmitters - Specify 4-20mA transmitter by adding "X" to head type.
Example: Type B head with Transmitter = **BX** (specify Temp. Range)

Terminal Blocks - Standard in all heads.

TABLE B	Threaded Connection Configuration
CONFIGURATION: Dimensions are approximate. (with thermowell, sheath length "L" does not have to be specified)	Stems are spring loaded* for positive contact with bottom of thermowell.
	Standard Steel Fittings 316 SS Fittings
<p>Head-Bushing</p>	1L 1T
<p>Head-Nipple</p>	2L 2T
<p>Head-Nipple-Union</p>	3L 3T
<p>Head-Nipple-Union-Nipple</p>	4L 4T
* For welded SS fittings, substitute "F" for "T" Example: 1F	

Also Available:

- Thermocouple Wire
- Transmitters
- Multipoint Thermocouple Assemblies
- Protection Tubes
- Stainless Steel Fittings