



L.H. MARSHALL THERMOCOUPLES™

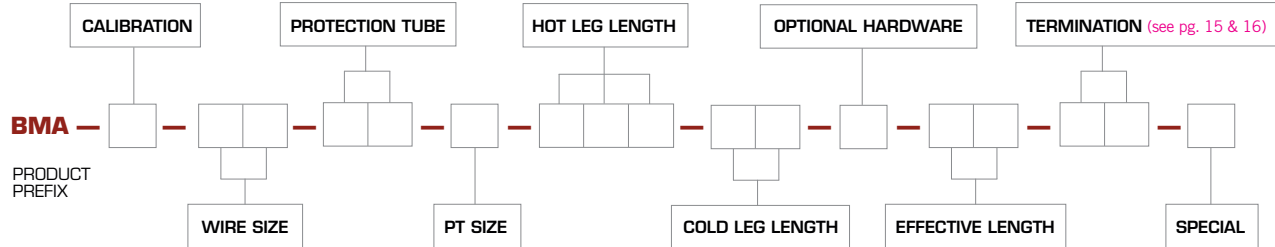


BASE METAL ASSEMBLIES



BASE METAL ASSEMBLIES (BMA)

Industrial base metal thermocouple assemblies are designed to be used in the most severe and demanding environments. The choice of a specific style is, to a large degree, determined by the temperature working range, ambient atmospheric or media conditions and the size and shape required for the application. Control requirements such as accuracy and speed of response may also be considerations.



SPECIFICATIONS / CODES

CALIBRATION	WIRE SIZE	PROTECTION TUBE	P/T SIZE	HOT LEG LENGTH	COLD LEG LENGTH	OPTIONAL HARDWARE	IMMERSION LENGTH	SPECIAL
J - Iron-Constantan K - Chromel-Alumel T - Copper-Constantan E - Chromel-Constantan N - Nicrosil-Nisil M - Ni-Ni Moly**	08 - 8 AWG 11 - 11 AWG 14 - 14 AWG 16 - 16 AWG 18 - 18 AWG 20 - 20 AWG 22 - 22 AWG 24 - 24 AWG 30 - 30 AWG	15 - 446 SS 16 - Pure Nickel 17 - Inconel 18 - 304 SS 19 - 310 SS 20 - 316 SS 21 - Silicon Carbide 22 - Mullite 23 - Alumina 24 - Metal Ceramic 25 - Carbon Steel 26 - Tercod 27 - Cast Alloy 28 - Cast-Iron w/Tap 29 - 330 SS 30 - Hexaloy 31 - Cast-T 32 - Refractory Coated 33 - Incoloy 800 34 - Hastelloy C 276	A - 1/4" NPT B - 1/2" NPT C - 3/4" NPT D - 1" NPT E - 1-3/4" OD F - 3/8" OD G - 11/16" OD H - 3/4" OD I - 7/8" OD J - 1" OD K - 1/8" NPT L - 3/8" NPT M - 1/2" OD N - 7mm P - 1/4" OD	Specify from 00" to 99"	Specify from 00" to 99"	O - None A - Adjustable Flange B - 1/4" NPT Fix Hex St.Mt.Bush C - 1/2" NPT Fix Hex St.Mt.Bush D - 3/4" NPT Fix Hex St.Mt.Bush E - 1" NPT Fix Hex St.Mt.Bush F - 1-1/4" NPT Fix Hex St.Mt.Bush G - 1-1/2" NPT Fix Hex St.Mt.Bush H - 1/4" NPT Fix Hex St.St. J - 1/2" NPT Fix Hex St.St. K - 3/4" NPT Fix Hex St.St. L - 1" NPT Fix Hex St.St. M - 1-1/4" NPT Fix Hex St.St. N - 1-1/2" NPT Fix Hex St.St. P - Hot Junction Cup Q - Tapered Plug R - 1/2" x 3/4" St. Hex Fitting S - 3/4" x 1" St. Hex Fitting T - 6" Alloy Sleeve U - 6" Carbon Steel Sleeve W - 1/2" -Hex-1/2" Y - 3/4" -Hex-3/4" Z - 3/4" x 1-1/4" Hex Fitting 3 - 3/4" x 1-1/2" Hex Fitting 2 - 3/4" x Close Nipple	Specify from 00" to 99"	O - None B - Open Both Ends C - Lot Certification D - Dual Element E - Individual Certification H - SCH 80 X - Special (Consult Factory)

EXAMPLE ORDERING NUMBERS

IMAGE GOES HERE

Base Metal Assembly, Type K standard 8 ga., Inconel PT 3/4" NPT, 24"L w/1" NPT bushing for 18" immersion, 3/4" snap cover head.

BMA - K - 08 - 17 - C - 024 - 00 - E - 18 - S4 - 0

IMAGE GOES HERE

Base Metal Assembly, Type K standard 8 ga., pure nickel protection tube, 3/4" NPT, hot leg 12"L cold leg 24"L w/ 3/4" cast iron head.

BMA - K - 08 - 16 - C - 012 - 24 - 0 - 00 - C4 - 0