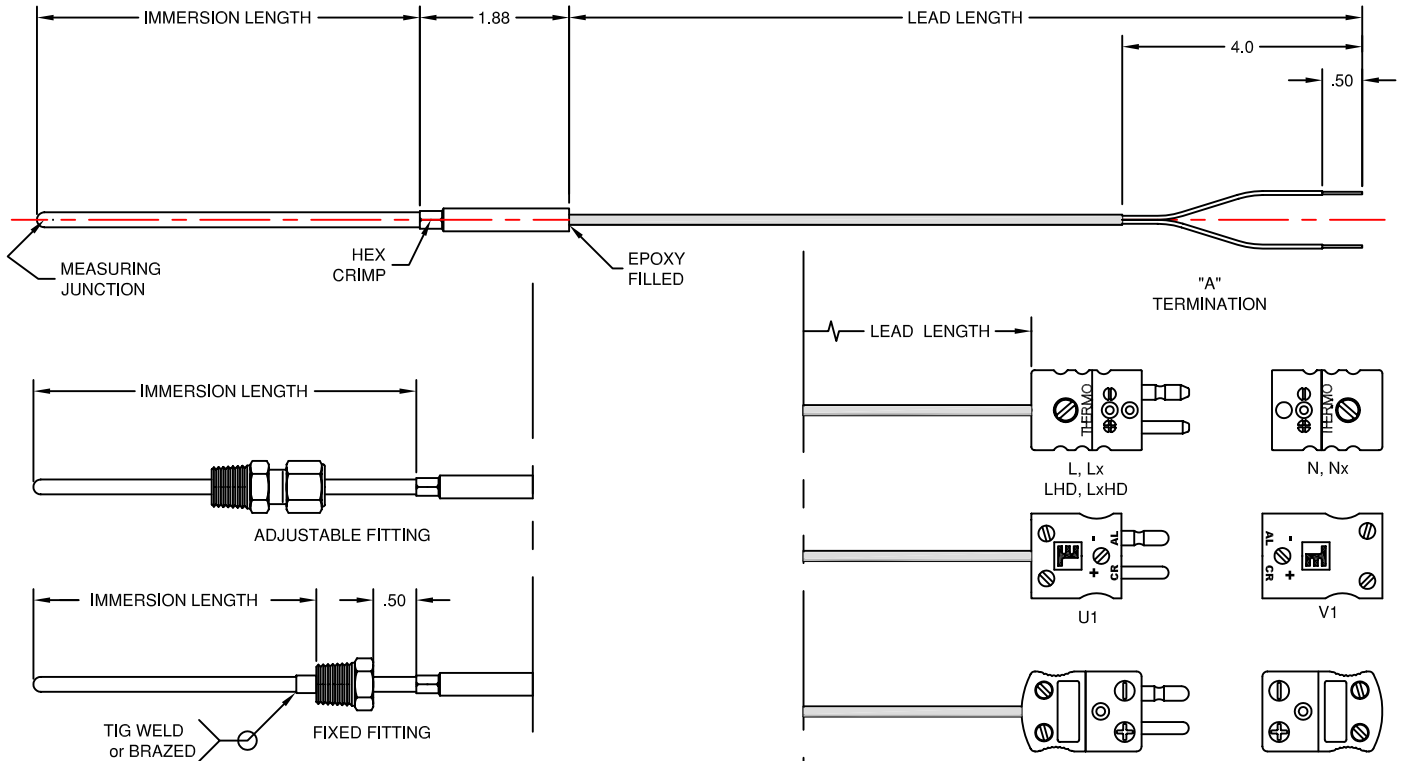


IMMERSION THERMOCOUPLES



- Notes:**
- (1) Meets or exceeds Special Initial Calibration Tolerances per ANSI MC96.1-1982 and ASTM E230-1993
 - (2) KKS & EES denotes stabilized thermocouple and special tolerance.
 - (3) Specify length of reduced tip when ordering.
 - (4) Contact factory for other calibrations and/or sheath materials.
 - (5) Standard 20 gauge stranded conductors.
 - (6) Omit mating connector if not ordered. Mating connector can be attached to the leads.
 - (7) Available with spade lugs, replace "A" with "LG".
 - (8) For an item that does not fall within the catalog description an (SP) can be added to the ordering code as part of a custom construction.

CODE	CALIBRATION	
STD.	SPECIAL (NOTE 1)	
J	JJ	IRON(+) vs CONSTANTAN(-)
K	KK	CHROMEL(+) vs ALUMEL(-)
T	TT	COPPER(+) vs CONSTANTAN(-)
E	EE	CHROMEL(+) vs CONSTANTAN(-)
N	NN	NICROSIL(+) vs NISIL(-)
	KKS	CHROMEL(+) vs ALUMEL(-) (NOTE 2)
	EES	CHROMEL(+) vs CONSTANTAN(-) (NOTE 2)

CODE	SHEATH DIAMETER		
	FRACTION	DECIMAL	METRIC
125	1/25"	.040	1.1mm
116	1/16"	.063	1.6mm
18	1/8"	.125	3.2mm
316	3/16"	.187	4.8mm
14	1/4"	.250	6.4mm
516	5/16"	.313	8.0mm
38	3/8"	.375	9.5mm

CODE	MEASURING JUNCTION
G	GROUNDING
U	UNGROUNDING
RG	REDUCED GRD. (NOTE 3)
RU	REDUCED UNGRD. (NOTE 3)
E	EXPOSED LOOP

CODE	SHEATH MATERIAL	
	MATERIAL	STD. CALIBRATIONS (NOTE 4)
304	304 STN. STL.	J, K, T
316	316 STN. STL.	J, K, T, E, N
310	310 STN. STL.	J, K, E
1600	INCONEL 600	K, N, KKS(NOTE 2), EES(NOTE 2)

CALIBRATION	SHEATH DIAMETER	MEASURING JUNCTION	SHEATH MATERIAL	FITTING	IMMERSION LENGTH	LEAD LENGTH	LEAD TYPE	TERMINATION	MATING CONNECTOR
E	316	G	310	FX1/4	36	48	5	LxHD	N

CODE	FITTING	CODE	THREAD SIZE
BR	ADJUSTABLE BRASS, BRASS INSERT	1/8	1/8"NPT
BRT	READJUSTABLE BRASS, TEFLON INSERT	1/4	1/4"NPT
SS	ADJUSTABLE STN. STL., STN. STL. INSERT	1/2	1/2"NPT
SST	READJUSTABLE STN. STL., TEFLON INSERT		
SSL	READJUSTABLE STN. STL., LAVA INSERT		
FX	FIXED STN. STL., ATTACHED TO SHEATH		
0	FITTING NOT REQUIRED		

CODE	IMMERSION LENGTH (IN INCHES)

CODE	LEAD LENGTH (IN INCHES)

CODE	LEAD TYPE (NOTE 5)
4	PVC INSULATION & JACKETED
5	TEFLON(FEP) INSULATION & JACKETED

CODE	TERMINATION	MATING CONN. (NOTE 6)	
		CODE	TEMPERATURE LIMIT
A	BARE ENDS (NOTE 7)	N	390°F(200°C)
L	STANDARD SIZE PLUG	N	390°F(200°C)
LHD	STANDARD SIZE SOLID PIN PLUG	N	390°F(200°C)
Lx	EXTENDED LIMITS PLUG	Nx	660°F(320°C)
LxHD	EXTENDED LIMITS SOLID PIN PLUG	Nx	660°F(320°C)
X	IMPACT RESISTANT PHENOLIC PLUG	V1	300°F(150°C)
U1	ULTRA-TEMP PLUG	X1	1000°F(538°C)
T	THREE PIN PLUG	T1	390°F(200°C)
H	MINIATURE PLUG	K	390°F(200°C)



THERMO ELECTRIC
TEMPERATURE MEASUREMENT DESIGNER'S GUIDE
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SECTION IMTC
IMMERSION THERMOCOUPLES
with PVC, TEFLON(FEP) LEAD WIRE
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Doc. No.: TE-CO010109-IMTC-050