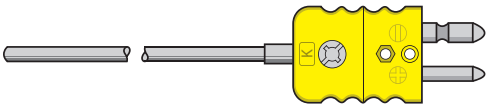
Custom Built Thermocouple Sensors with Standard Plug

- Sensors made to meet your requirements
- Thermocouple types K, T, J, N and E available
- Sheath diameters from 0.062" to 0.250"
- Wide choice of sheath materials
- Calibration available, please contact us for details
- Generally shipped in 7 to 10 days or sooner

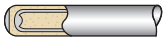


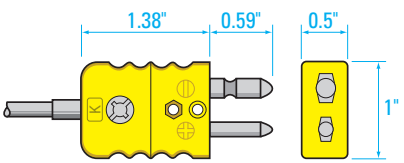
For mating standard jacks, please see page 65

SECTION 1	Thermocouple Type	Temperature Range (continuous)
K	Nickel Chromium vs Nickel Aluminum	+32°F to +2010°F
T	Copper vs Constantan	-300°F to +750°F
J	Iron vs Constantan	+32°F to +1290°F
N	Nicrosil vs Nisil	+32°F to +2192°F
E	Nickel Chromium vs Constantan	+32°F to +1470°F

SECTION 2	Sheath Material	Maximum Temperature
104	304 Stainless Steel (Types K, J, T & E)	1650°F
125	310 Stainless Steel (Type K)	2010°F
176	Inconel 600 (Types K & N)	2010°F
114	Nicrobell D (Types K & N)	2280°F
156	Hastelloy X (Type K)	2230°F

SECTION 3	Sheath Diameter (inches)	Sheath Diameter (mm)
Standard Sizes	0.062"	1.6mm
	0.078"	2.0mm
	0.125"	3.2mm
	0.188"	4.7mm
	0.250"	6.4mm

SECTION 4	Types of Sensing Junction	
2I		INSULATED (2ID for a Duplex element)
2G		GROUNDED (2GD for a Duplex element)

SECTION 5	Termination
3P6	

SECTION 6	Optional Stainless Steel Adjustable Compression Fittings	
Dia.	1/4" NPT	1/2" NPT
0.062"	ACN03S	–
0.125"	ACN08S	ACN11S
0.188"	ACN12S	ACN15S
0.250"	ACN16S	ACN19S

For our full range of fittings, please see page 72

Order Code - Example

Type Nº	Thermocouple Type (See section 1)	Sheath Length in inches	Sheath Material (See section 2)	Sheath Diameter (See section 3)	Sensing Junction (See section 4)	Termination (See section 5)	Compression Fitting (Optional, see section 6)
12	K	18"	118	0.250"	2I	3P6	ACN19S

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