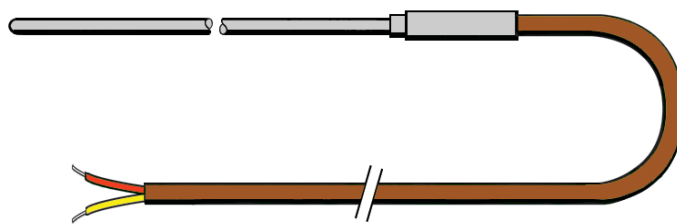


Custom Built Thermocouple Sensors with Potting Adaptor



- Sensors made to meet your requirements
- Thermocouple types K, T, J, N and E available
- Sheath diameters from **0.010" to 0.125"**
- Wide choice of sheath materials
- Calibration available, please contact us for details
- Generally shipped in 7 to 10 days or sooner



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	0.010"	0.25mm
	0.020"	0.5mm
	0.040"	1.0mm
	0.062"	1.6mm
	0.078"	2.0mm
	0.125"	3.2mm

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

SECTION 5	Thermocouple Leads (please specify length in inches)
A30	PVC Insulation (220°F)
B50	Teflon Insulation (480°F)
C40	Fiberglass Insulation (890°F)
C60	Fiberglass Insulation with Stainless Steel Braid (890°F)

SECTION 6	Optional Stainless Steel Adjustable Compression Fittings	
Dia.	1/8" NPT	1/4" NPT
0.020"	ACN01S	—
0.040"	ACN02S	—
0.062"	ACN03S	ACN04S
0.078"	ACN05S	ACN06S
0.125"	ACN08S	ACN09S

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 Dia. (See section 3)	Sensing Junction (See section 4)	Termination (potting adaptor)	Lead Length (See section 5)	Compression Fitting (Optional, see section 6)
12	- K	- 20"	- 104	- 0.125"	- 2I	- 3P2L	- 72"	A30KK - ACN08S

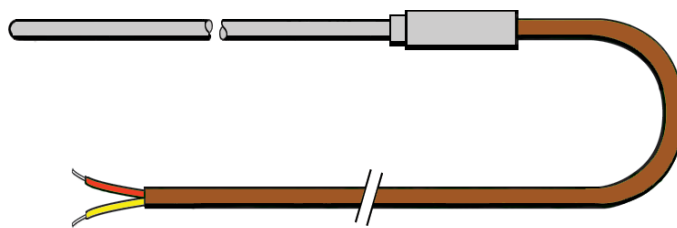


877 249 1777 toll free

Fax: 708 236 5778 • Email: sales@tcdirect.com • Web: www.tcdirect.com

Custom Built Thermocouple Sensors with Potting Adaptor



- Sensors made to meet your requirements
- Thermocouple types K, T, J, N and E available
- Sheath diameters from **0.188" to 0.313"**
- Wide choice of sheath materials
- Calibration available, please contact us for details
- Generally shipped in 7 to 10 days or sooner



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	0.188"	4.7mm
	0.250"	6.4mm
	0.313"	8.0mm

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

SECTION 5	Thermocouple Leads (please specify length in inches)
A30	PVC Insulation (220°F)
B50	Teflon Insulation (480°F)
C40	Fiberglass Insulation (890°F)
C60	Fiberglass Insulation with Stainless Steel Braid (890°F)

SECTION 6	Optional Stainless Steel Adjustable Compression Fittings	
Dia.	1/4" NPT	1/2" NPT
0.188"	ACN13S	ACN15S
0.250"	ACN17S	ACN19S
0.313"	ACF28S	ACF74S

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 Dia. (See section 3)	Sensing Junction (See section 4)	Termination (potting adaptor)	Lead Length (See section 5)	Compression Fitting (Optional, see section 6)
12	- J	- 18"	- 104	- 0.250"	- 2I	- 3P4CL	- 72"	C60JJ - ACN19S



877 249 1777 toll free

Fax: 708 236 5778 • Email: sales@tcdirect.com • Web: www.tcdirect.com