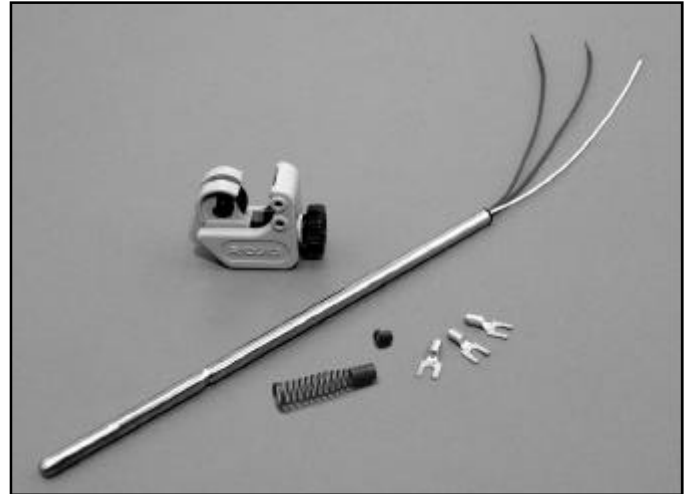


**Field Adjustable Thermocouples and RTDs**

Today's high inventory costs plus the need for quick turnaround on plant maintenance projects or the routine replacement of thermocouples and RTDs dictates the need for standardization.

Now you can standardize on one length sensor for all your temperature requirements. Our Type ATC, APO, and APH sensors are easily cut to length in the field to a minimum of 3 inches long. The removable grommet is easily reinserted into the sheath and protects the leads from abrasion and provides some mechanical relief. All adjustable sensors are also supplied with a heavy duty spring.



Field adjustable thermocouples and RTDs may be ordered as a "PAK" option. PAKs include a tube cutter, extra grommet and spade lugs.

**Thermocouple Specifications**

**Accuracy:** Standard Limits +.75%

**Wire Type:** Fiberglass insulated 20 ga. solid

**Sheath:** .250" O.D. 316 stainless steel

**Maximum Temperature:** 900°F

**To order:** Indicate the code letter or value for each requirement

Type	Calibration	Std. Lengths	Junction	Options
J	Iron Constantan®	18"	G = Grounded	PAK
K	Chromel® Alumel®	24"	U = Ungrounded	
T	Copper Constantan®	30"	DG = Dual Grounded	
E	Chromel® Constantan®	36"	DU = DualUngrounded	

**NOTE:** "PAK" option consists of a tube cutter, extra grommet and spade lugs.

**RTD Specifications**

**Accuracy:** Per ASTM E1137 Grade B

**Bulb Type:** 100 ohm Platinum 0.00385 DIN Curve

**Wire Type:** Teflon® insulated 22 ga. multi-stranded APO;  
Fiberglass insulated 22 ga. multi-stranded APH

**Sheath:** .250" O.D. 316 stainless steel

**Maximum Temperature:** APO - 500°F; APH - 900°F

Type	Std. Lengths	Elements	Option
APO	18"	S = Single	PAK
APH	24"	D = Dual	
	30"		
	36"		

**Unprotected Thermocouples**

At times due to economic reasons, a non-mineral insulated cable thermocouple type is required. Unlike sheathed types these thermocouples are unprotected from oxidation or chemical attack. Consequently their life expectancy is considerably shorter than that of an MI cable design.

**To order:** Indicate the code letter or value for each specification criteria below. Refer to table 1 for "type" and "calibration" options.

Type	Calibration	Length
See Table 1 at right	See Table 1 at right	(Inches)

**Table 1**

Type	Diameters		Wire Gauge	Calibration
	Single	Dual		
10	.150		20	J, K, T, E
15		.187	20	J, K, T, E
20	.250		14	J, K, T, E
25		.250	14	J, K, T, E
30	.500		8	J, K, T, E
35		.550	8	J, K, T, E
40	.153		24	R & S
45		.197	24	R & S

**Example:** Unprotected thermocouple order code: 30-K-14 = Single beaded Chromel® Alumel®, 8 gage, .500" OD, 14" long.