



## Stator Winding Thermocouples

Stator winding thermocouples are mechanically equivalent to stator RTDs and can be substituted where thermocouple input is required. Specify junction location—at the center of the unit or 1.5" from the tip—to place the sensing junction as near as possible to the hottest part of the windings.

### Specifications

#### Temperature limit:

Class F: 155°C (311°F)

Class H: 180°C (356°F)

#### Junction Types:

E	Chromel-Constantan
J	Iron-Constantan
K	Chromel-Alumel
T	Copper-Constantan

#### Body material:

Class F: Epoxy glass.

Class H: High temperature epoxy glass.

Class F (155°C) Thermocouples			Class H (180°C) Thermocouples		
0.125" thick	0.078" thick	0.050" thick	0.125" thick	0.078" thick	0.050" thick
TC2230	TC2228	TC2742	TC2231	TC2229	TC2227

#### Standard sizes:

Length (inches)				
6.0	10.0	11.0	12.0	
Width (inches)				
0.219	0.260	0.305	0.315	0.344
0.406	0.455	0.500	0.563	0.656
0.750	0.875	1.000		
Thickness (inches)				
0.050	0.078	0.125		

Other dimensions are available.

**Leadwires:** AWG #24 solid thermocouple wire. Grounded junctions have a groundwire, AWG #24 stranded copper with PTFE insulation, running the length of the leadwires.

**Dielectric strength:** 3200 VRMS at 60 Hz, tested between the leads and external flat body surface for 1 to 5 seconds.

### How to order

TC2227	<b>Model number from table</b>
K	<b>Junction type from table</b>
U	<b>Junction grounding:</b> G = Grounded via groundwire U = Ungrounded
110	<b>Body length:</b> Specify in 0.1" increments (Example: 110 = 11.0 inches)
X	<b>Measuring junction location:</b> X = Center of body N = 1.5" from tip
344	<b>Body width:</b> Specify in 0.001" increments (Example: 344 = 0.344 inches)
T	<b>Leadwire insulation:</b> T = PTFE G = Glass braid
36	<b>Lead length in inches</b>
TC2227KU110X344T36 ← Sample P/N	