

**BEADED REPLACEMENT ELEMENT FOR BASE-METAL THERMOCOUPLES**

**How to build a part number:**

To order an Applied Sensor Technologies temperature sensor, select the requirements for the categories listed below and fill in the corresponding boxes with your selection. Don't see exactly what you need? Give us a call!

SENSOR TYPE	ASSEMBLY STYLE	WIRE GAUGE	BEAD SHAPE	CALIBRATION	HOT JUNCTION	INSULATOR MATERIAL	BEAD LENGTH	LEADWIRE LENGTH

**SENSOR TYPE**

**BTC** – Beaded thermocouple

**ASSEMBLY STYLE**

**50** – Replacement element for beaded base-metal thermocouple styles (such as Style 80)

**WIRE GAUGE**

**08** – 0.128" diameter (K and KK calibrations only)

**14** – 0.064" diameter

**BEAD SHAPE**

**R** – Round

**CALIBRATION**

**J** – Single J

**JJ** – Dual J

**K** – Single K

**KK** – Dual K

**HOT JUNCTION**

**U** – Ungrounded junction

**E** – Exposed junction

**TE** – Twisted, exposed junction (single calibration only)

**INSULATOR MATERIAL**

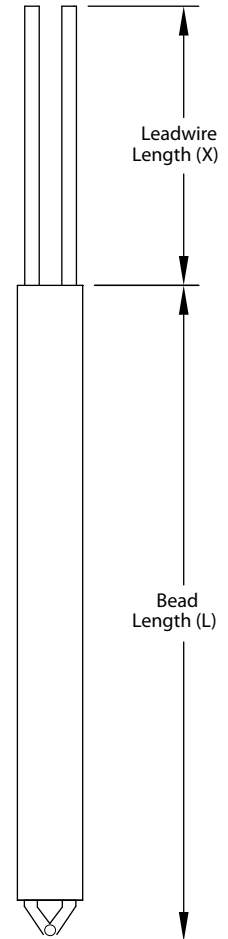
**M** – Mullite

**BEAD LENGTH** (length of insulator + junction)

**L#** – (e.g., L12=12" insulator, including junction end)

**LEADWIRE EXTENSION LENGTH** (length of wires at cold end)

**X#** – (e.g., X3=3" leadwire extension)



## STYLE 50



Applied Sensor Technologies offers a wide variety of constructions using the Style 50 element. Many are based on the common Style 80 shown at the right. Many others are available to meet your requirements.

Give us a call!

