

BEADED, NOBLE METAL THERMOCOUPLE WITH CERAMIC INSULATORS

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	STYLE	CALIBRATION	HOT JUNCTION	BEAD MATERIAL	BEAD LENGTH (L)	LEAD EXTENSION (x)
BTC	51	R	E	A	L12	X3

SENSOR TYPE

BTC – Beaded construction

STYLE

51 – Bare, noble metal element with ceramic insulators, 24 AWG wire

CALIBRATION

Single junction

R – Platinum and Platinum/13% Rhodium

S – Platinum and Platinum/10% Rhodium

B – Platinum/6% Rhodium and Platinum/30% Rhodium

Dual junction

RR – Platinum and Platinum/13% Rhodium

SS – Platinum and Platinum/10% Rhodium

BB – Platinum/6% Rhodium and Platinum/30% Rhodium

HOT JUNCTION

E – Exposed junction

BEAD MATERIAL

A – Alumina beads (0.125" OD for single junction, 0.188" for dual)

BEAD LENGTH

L# – (e.g., L12 = 12" bead length)

LEAD EXTENSION LENGTH

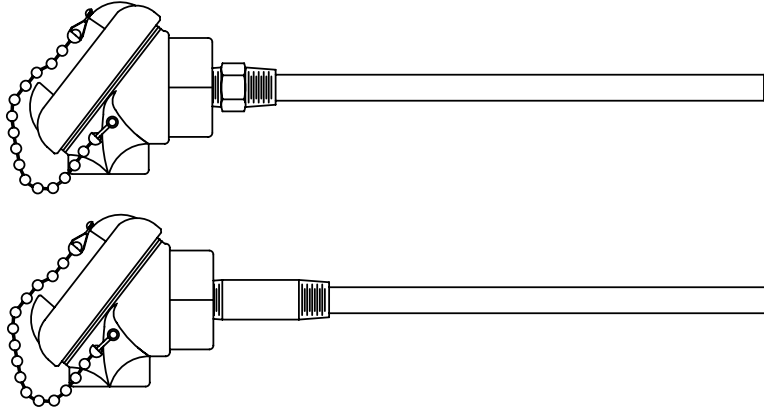
X# – (e.g., X3 = 3" extension length)

(X1.5 is the standard length for a replacement element)

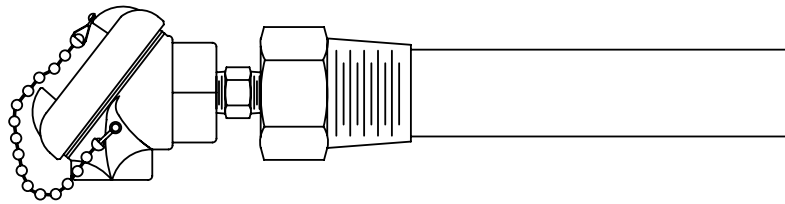


Style 51 assemblies are most frequently used as replacement elements in a variety of protection tube configurations. Shown below are some of the styles that they might be incorporated with. In addition to the items shown below, many special configurations can also be supplied. Further details on these assemblies, or help on your specific application can be found on our website or by giving us a call.

Style 81N



Style 81B



Style 81F

