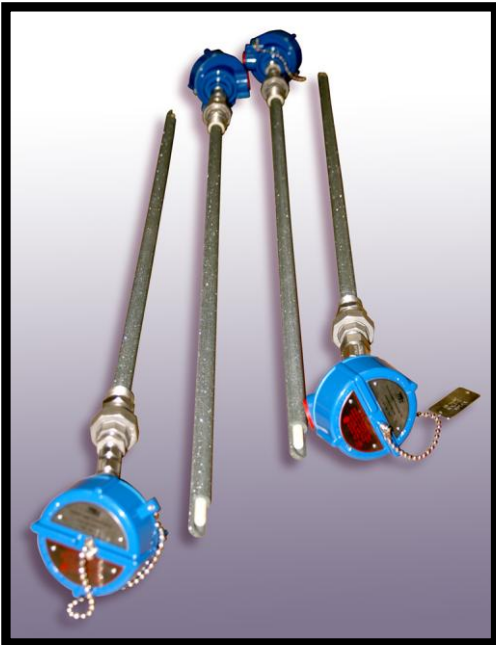




Thermocouple Technology  
Quakertown, PA  
0308

# HAVE YOU HEARD?

## TTEC Has High Temperature Thermocouple Assemblies for Extreme Applications!



TTEC Double Tube Platinum/Rhodium Thermocouple Assemblies

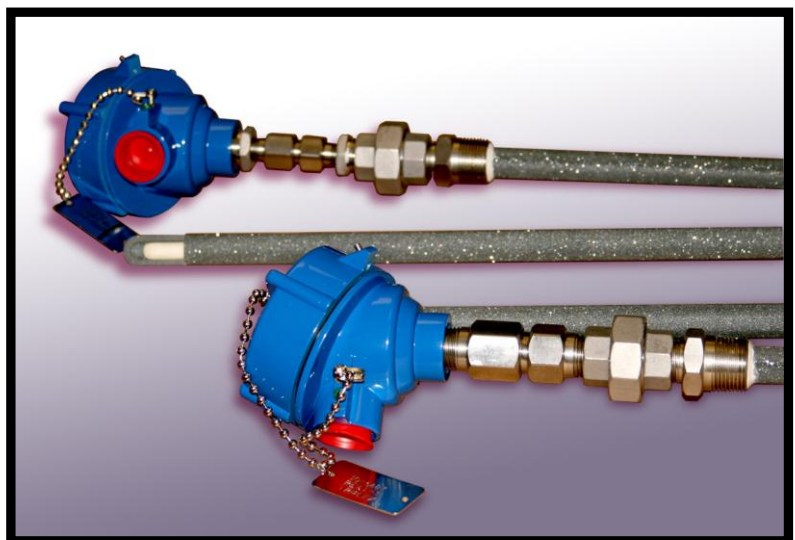
The Recrystallized Silicon Carbide Secondary or Outer Tube retains its shape at high temperatures, provides support for the Primary Tube and protects against thermal shock & flame impingement. The Thermocouple element includes a full-length insulator which is also manufactured from High Purity Alumina (99.7%) and provides excellent insulating properties at high temperatures.

These TTEC assemblies consist of a High Temperature ceramic insulated element and double tube assembly.

Calibration Types S & R are used for temperatures to 1450°C (2642°F) and Type B for Temperatures that exceed 1450°C up to 1700°C (3092°F).

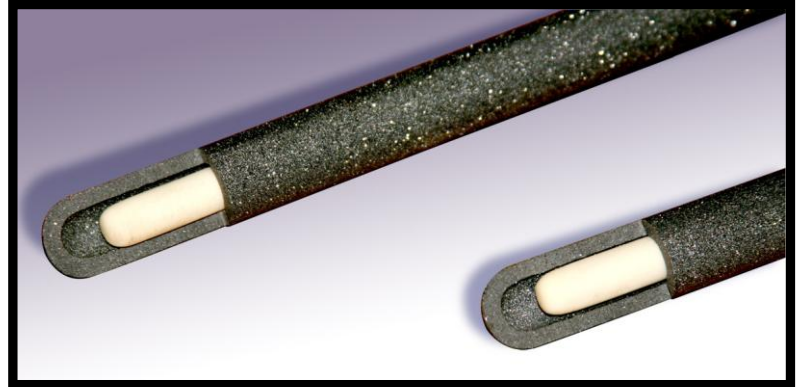
The Precious Metal Platinum Rhodium elements provide high accuracy per ANSI MC96.1, even at extreme temperatures. Single, Dual or Triplex versions are available.

The assemblies shown utilize a High-Purity (99.7%) Alumina Inner Protection Tube which is gas tight, rated to 1870°C (3398°F) & provides the primary protection for the thermocouple element.



Stainless Steel Wire Gland with Lava Seal prevents gases from entering the head area if the primary tube is breached.

These units are custom designed for the application. A wide variety of Tube sizes, materials, mounting threads and configurations are available.



Notched secondary tube enhances speed of response.



Heads are Explosion-Proof (FM/CSA approved) & NEMA 4X epoxy coated cast aluminum with SS chain and permanent SS Tag for identification.

Contact us today for more information on how TTEC can help with your most extreme temperature measurement applications.

**Give us a call: 800-784-3783**

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