

# APPLICATION DATA SHEET

## Base Metal Thermocouples and Assemblies



**FURNACEPARTS**  
Excellence in Temperature Measurement

### THERMOCOUPLE TYPE:

- J  K  
 SINGLE  DUAL

### WIRE SIZES:

- 20 awg  14 awg  11 awg  8 awg  Other \_\_\_\_\_

### LIMITS OF ERROR:

- Special  Standard

Certified Calibration Required?  yes  no Operating Temp. Range: \_\_\_\_\_

Length of Element (if ordering elements only) \_\_\_\_\_

### PROTECTION TUBE:

Specify length: \_\_\_\_\_

Size:  1/8"  1/4"  1/2"  3/4"  1"  Other: \_\_\_\_\_

### MATERIAL:

- Carbon steel  304ss  316ss  Inconel 600 or 601  Hastelloy  
 446ss  Other \_\_\_\_\_ (min. quantities may apply due to material avail. for special orders)

Welded bushings are available in carbon steel or stainless steel and must be at least one size larger than the protection tube. Welded immersions must be at least 2" shorter than the overall length of the tube.

Specify size: \_\_\_\_\_ Specify Immersion: \_\_\_\_\_ Specify Material: \_\_\_\_\_

### FLANGES:

- Adjustable or  Welded

Specify Material: \_\_\_\_\_ Specify Immersion: \_\_\_\_\_

### CONNECTION HEADS:

- Aluminum  Cast Iron  Large  Small

Heads are sized to fit the tube and have 3/4" npt conduit connection that can be bushed down if necessary.

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