

PRODUCT INFO SHEET

Nanmac Corporation

Quality • Performance • Solutions

Handheld Thermocouple for Surface Contact Measurement *B8 Series*

The Trident Thermocouple probe has an exposed ribbon style element. The ribbon element is 0.002 inches thick, by 0.060 inches wide. Featuring spring-like stainless steel side guards to protect the element from accidental damage. This sensor has no measurable conduction error and is ideal for all types of surface contact measurements. Examples include: cloth, textiles, thin plastics, rotating drums, hot plates, and/or any surface whose temperature is desired. This sensor can even measure the temperature difference between black and white on a sheet of paper when heated by a 60 watt light bulb from a distance of two feet.

Response time of this Trident probe is in the low milliseconds and usually limited only by the meter taking the temperature readings. Standard termination styles is a four inch ABS plastic handle, PVC insulated coil cord and mini thermocouple connector.

The Spring-Style Surface probe contains an exposed junction with each leg in the form of a small spring. The junction is at the mid-point. When pressed against a surface both springs are compressed into the ceramic body while maintaining good thermal contact with the surface. Response time is about five seconds.

NOTES:

- For special style surface probes or other dimensions, terminations, or calibrations contact the factory.
- If a 45 degree angle is required; add (-45) to the part number.
Example: B8-21-45

Trident Style Ribbon Thermocouple



Spring-Style Thermocouple



Specifications

Part No.	Termination Style	Type
B8-9		J
B8-10	Plastic Handle Coil Cord	K
B8-11	and Mini-Connector	E
B8-12		T

Specifications

Part No.	Termination Style	Type
B8-29		J
B8-30	Plastic Handle Coil Cord	K
B8-31	and Mini-Connector	E
B8-32		T

PO Box 6640
1657 Washington St., Bldg. 3
Holliston MA 01746
www.Nanmac.com
engineering@nanmac.com

Foremost in Temperature Measurement™
NANMAC

US & Canada: 1.800.786.4669
International: 1.508.872.4811
Fax: 1.508.879.5450
info@nanmac.com