

PRODUCT INFO SHEET

Nanmac Corporation

Quality • Performance • Solutions

Ribbon Thermocouple with Retractable Shield for Surface Contact Measurements B7 Series

Our Ribbon Thermocouples for surface temperature measurement contains a 0.002 inch thick Loop-Ribbon junction inside a spring-loaded protective shield. When applied against any surface, the protective shield retracts enough to allow the ribbon junction to make intimate contact with the wall. Because the ribbon junction eliminates conduction errors caused by the stem of the thermocouple, true surface temperature of any wall or object is measured accurately. Response time of this new design is in the low milliseconds. Temperature range is from cryogenic to 600 degrees Fahrenheit (higher temperature ranges on special request).

NOTES:

- Low mass sensing elements
- Large contact area improving accuracy and eliminates conduction errors.
- Spring loaded protective shield protects probe from physical damage and produces the same contact pressure in each application. It also contacts the object at only five points; thus, minimizing any local thermal disturbances.
- Available in thermocouple calibration type K
- When ordering specify by part number
- All standard units are straight probes. If a 90 degree bend is desired, add (-90) to the part number.
Example: B7-1-90
- Special units with other dimensions are available upon request.



Applications:

- Hot Plates
- Surfaces
- Walls
- Ovens
- Bearings
- Engine Blocks
- Plastics Processing Machinery
- Ducts
- Steam Lines
- Air
- Gases, etc.

Specifications

Part No.	Termination Style	Type
B7-2	Transition splice with spring relief plus 12 inches of coiled retractable cable with miniature male connector attached.	K
B7-3	Plastic handle with spring relief plus 12 inches of coiled retractable cable with miniature male connector attached.	K

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Foremost in Temperature Measurement™
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