THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Type CSP
Thermometrics Laboratory NTC Temperature Standards

The Type CSP Temperature Standards are ultrastable probe thermistors which have been calibrated to an accuracy of 0.01°C. The standard unit has a thin, conformal coating of silicone rubber over the entire unit; this makes it suitable for immersion in a water bath. They are also available with stainless steel sensor housings, or they can be encapsulated into various sheaths. See assemblies depicted in the figure.

Applications

All units can be supplied with calibrations over different temperature ranges, with longer leads; and with various coatings.

Data

Two types of CSP Thermoprobes are stocked for quick delivery:

- The CSP60BA252M, with a nominal resistance of 2500 ohms @25°C, is furnishedwith calibration over the range of 0° to 50°C.
- The CSP60BT103M has a nominal resistance of 10K ohms @25°C and is furnished with calibration over the range of 0° to 100°C.

The calibration table normally furnished with the CSP60BA252M provides data every 0.25°C between 0° and 50°C. The table furnished with the CSP60BT103M provides data every 0.5°C over the range of 0° to 100°C. Both units are furnished with interpolation equations which are accurate to 0.01°C. Tables with calibration data furnished every 0.01, 0.05 or 0.1°C are also available.

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