

Calibrating and testing RTD sensors



Typically RTDs are checked while calibrating the connected device, such as a panel meter or temperature transmitter. However, if a problem is suspected with a temperature sensor, sensor calibrations can be performed separately from the calibration of process electronics.

Field checks of temperature sensors can be easily performed with a dry-block or Micro-Bath. For best results, a full calibration of a temperature sensor is performed at the bench.

Suggested test tools



9144 Field Metrology Well and 5615 Secondary Reference Temperature Standard
See pg 17



9102S Handheld Dry-Well
See pg 18



9100S Handheld Dry-Well
See pg 18



9009 Industrial Dual-Block Thermometer Calibrator
See pg 18



726 Precision Multifunction Process Calibrator
See pg 6



6102 Micro-Bath Thermometer Calibrator and 1523-P1 Reference Thermometer
See pg 19 and 20