

Product highlights



9118A Thermocouple Calibration Furnace

High performance furnace for thermocouple calibrations to 1200 °C

The 9118A Thermocouple Calibration Furnace is a horizontal, open-ended tube furnace with a temperature range of 300 °C to 1200 °C. It is used for comparison calibration of noble and base-metal thermocouples by secondary high-temperature labs and instrument shops in industries such as aerospace, automotive, energy, metals, and plastics. The 9118A is the most accurate, reliable, and flexible furnace in its class, meeting the demanding requirements of high-temperature thermocouple calibration.

Seven key features set the 9118A apart from other high-temperature calibration furnaces:

1. Wide temperature range spanning most high-temperature applications
2. Removable isothermal block allows flexible configuration for calibrating many thermocouple types
3. Best-in-class temperature stability and uniformity for calibration accuracy
4. Automated setpoint control for improved lab productivity
5. Non-metallic block helps minimize thermocouple contamination
6. Deep immersion depth to support most thermocouple calibrations
7. Dynamic heater control and cutouts for reliability and safety



1586A Super-DAQ Precision Temperature Scanner

The most accurate, flexible temperature data acquisition system

The 1586A is ideal for benchtop calibration of temperature sensors in secondary calibration labs, as well as temperature data acquisition applications in industries such as pharmaceutical, bio-technology, aerospace, food and energy where accurate temperature measurements are critical.

- Flexible configuration for the benchtop or factory using the DAQ-STAQ Multiplexer or internal High-Capacity Module
- Measure thermocouples, PRTs, thermistors, dc V, dc I, and resistance
- Best-in-class temperature measurement accuracy:
 - PRTs: ± 0.005 °C (using DAQ-STAQ Multiplexer)
 - Thermocouples: ± 0.29 °C (using DAQ-STAQ Multiplexer and internal CJC for type K at 0 °C)
 - Thermistors: ± 0.002 °C
- Connect up to 40 isolated inputs
- Scan speed of up to 10 channels per second
- Four modes of operation: Scan, Monitor, Measure, DMM
- Real-time color trending—chart up to four channels simultaneously
- Controls Fluke Calibration temperature sources such as dry-wells, furnaces or Micro-Baths for automated calibration routines
- MX + B scaling and channel offset zero function
- Built-in data security levels