



Specifications

Temperature Range	50°C to 500°C (122°F to 932°F)
Accuracy	±0.5°C at 100°C (±0.9°F at 212°F) ±0.8°C at 500°C (±1.4°F at 932°F)
Stability	±0.1°C at 100°C (±0.18°F at 212°C) ±0.3°C at 500°C (±0.54°F at 932°F)
Target Size	2.25" (57 mm)
Target Emmissivity	0.95
Resolution	0.1°
Heating Time	30 minutes to max
Cooling Time	30 minutes (500°C to 100°C)
Computer Interface	RS-232 I/O included with 9930 Interface-It
Power	115 VAC (±10%), 3 A or 230 VAC (±10%), 1.5 A, switch- able 50/60 Hz
Size	4" H x 6" W x 7" D (102 x 152 x 178 mm)
Weight	4 lbs. (1.8 kg)

Features Summary

- Easily certify IR pyrometers to 500°C (932°F)
- Large 2.25" (57 mm) blackbody target
- RTD reference well for high precision
- Small, compact design

Whether you're using in-line or handheld infrared pyrometers, you need a high performance calibration standard to verify accuracy. Hart's new 9132 Portable IR Calibrator provides a stable blackbody target for calibrating non-contact IR thermometers up to 500°C.

The 9132 features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm), which offers a wide field of view area for optical variations in IR thermometers. With an emissivity of 0.95, the isothermal target can be controlled in set-point increments of 0.1° from 50°C to 500°C.

The 9132 is as easy to use as point-and-shoot. Simply set the desired temperature from the convenient front-panel control

buttons; wait a few minutes for equilibrium; then point the the IR gun at the target. The radiated energy from the blackbody is measured by your IR thermometer. Now simply compare its reading to the display on the 9132 and record the difference.

For even higher precision, a contact calibration well is located directly behind the blackbody surface. Using an optional digital RTD thermometer and calibrated secondary probe, accuracies of ±0.1°C can be achieved.

Hart Scientific continues to lead the industry in product solutions for contact and non-contact temperature calibration. Whatever your temperature application, trust a Hart product to solve it.

Ordering Information

HT9132-156 Calibrator, 110V 50/60Hz IR, 50–500°C

HT9132-256 Calibrator, 220V 50/60Hz IR, 50–500°C

HT9308 Case, Hard Carrying

HT1521-UV Thermometer, Handheld, 1 Channel Thermometer

HT56189I Probe, Secondary PRT, 9 inch x 1/8 inch OD



Simply point and shoot for easy IR calibrations.