Affordable 3-Point Infrared Calibrator – 9135

Features

- Fast and easy IR calibrations
- Three temperatures available: 50 °C, 100 °C, and 150 °C
- NIST-traceable calibration included

Checking the accuracy of your infrared thermometer is now easier than it's ever been. Hart's 9135 IR Calibrator gives you fast, easy, and inexpensive verification of your handheld infrared meters.

The 9135 includes three set-points at 50 °C, 100 °C, and 150 °C. Simply select a temperature, wait for the ready light to come on, aim your thermometer at the 1.5-inch-diameter blackbody, and take a reading. Set-points can be reached in less than five minutes, and stabilization time is only three minutes. It doesn't get any easier—or any faster.

Accuracy at any of the 9135's three set-points is better than ±1 °C, and stability is within ±0.1 °C. Each unit comes with a calibration certificate showing data at each of the three temperatures at no extra charge. Emissivity of the black-body target is 0.95 ±0.02.

At less than two inches thick and weighing less than two pounds, the 9135 is absolutely portable. It fits easily into a tool kit for on-site calibrations. Use it to check an IR thermometer at one temperature or to estimate its span error by checking at 50 °C and 150 °C.

All of our handheld dry-block calibrators are fast, small, and easier to use than any other manufacturer's dry-well. Now we're doing the same for IR thermometer users. Nobody else makes products that more directly meet your needs than Hart Scientific.

Specifications

Range	50 °C, 100 °C, 150 °C (122 °F, 212 °F, 302 °F)
Accuracy	±1 °C
Stability	±0.1 °C
Heating Time	25 °C to 150 °C: 3 min., typical
Cooling Time	150 °C to 50 °C: 25 min., typical
Stabilization Time	3 minutes, typical
Blackbody Diameter	38 mm (1.5 in)
Blackbody Emissivity	0.95 ±0.02, 8–14 nm
Size (HxWxD)	46 x 112 x 198 mm (1.8 x 4.4 x 7.8 in)
Weight	0.7 kg (1.5 lb)
Power	115 VAC (±10 %), 1.0 A or 230 VAC (±10 %), 0.5 A, specify, 50/60 Hz, 125 W
NIST-Traceable Contact Calibration	Data at 50 °C, 100 °C, and 150 °C

Ordering Information

9135	3-Point IR calibrator
9308	Rugged Carrying Case
9320A	External Battery Pack