

Wahl

INSTRUMENTS, INC.

Heat Spy® Thermography Training Institute

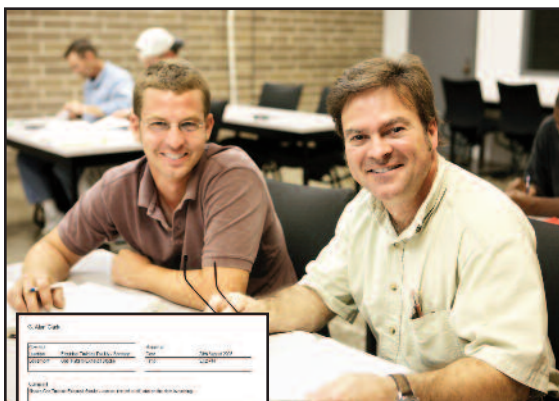
Thermal Imaging is the best non-invasive method for diagnosing potential problems without damage to property, danger to person, or shutdown of process.

THERMAL IMAGING TRAINING

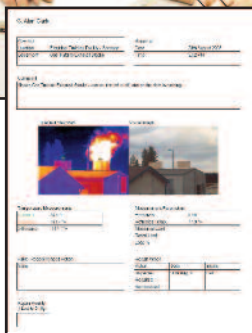
Training in the use of the Wahl Heat Spy Thermal Imager can be very beneficial to you and your business. Learn the basics of infrared energy, including the differences between convection, conduction, and radiation. You will learn about Emissivity (ε), and discuss the factors that affect it. You will also learn the specifics and operation of the Wahl Heat Spy Camera.

During the class you will practice taking thermal pictures and downloading them into the proprietary software. Use the software to analyze pictures and generate a report that can be filed and/or prepared for yourself or a customer for review. Topics include electrical applications, energy audits, and moisture infiltration. In addition, applications that are specific to your industry will be presented. Each participant will receive a certificate of completion at the conclusion of the course.

This invaluable information will ensure that you understand your camera and receive the maximum return on your thermal imaging investment.



Generate a report and analyze images during the class.



TRAINING IN ASHEVILLE, NORTH CAROLINA

We are located in Asheville, North Carolina in the Blue Ridge Mountains. Asheville's reputation of beautiful views and a vibrant downtown make it a great place to visit. Just a short trip from Atlanta GA, Charlotte NC, and Greenville-Spartanburg SC.

Classes are available at our facility on a regular basis. The two-day course schedule starts at 2 P.M. EST on Day 1, allowing for travel time to Asheville in the morning. Day 2 begins at 8 A.M. EST, and ends at Noon, allowing travel time home in the afternoon.

Students are responsible for their own transportation, meals, and lodging. See our website for links to lodging at: www.palmerwahl.com/hotels.php.

ON-SITE TRAINING AT YOUR LOCATION

On site training at your location (continental US only) allows us to come to you, at your convenience. Includes up to eight hours of training for up to 10 individuals. Train all your personnel at one time to receive the maximum benefit of the class, while minimizing training costs.

Contact us to schedule a class date.

View the most current schedule and download the enrollment form at:

www.palmerwahl.com/training.php



Beautiful Asheville, North Carolina

APPLICATIONS FOR ALL INDUSTRIES

Aerospace & Automotive
Asphalt & Roofing
Breweries & Beverage Processing
Canning & Confectionery
Chemical & Petrochemical
Coal & Mineral Mining
Condition Monitoring
Dairy & Sanitary
Electrical Transmission & Distribution
Energy Audits & Home Inspection
Facilities Management
Food Processing & Food Service
Government & Military
HVAC, Irrigation, & Plumbing

Meat & Poultry Processing
Natural Gas, Oil & Petroleum
Pharmaceutical & Cosmetics
Pipe, Valve & Fitting
Power Generation
Pulp & Paper
Research & Development
Plastics & Rubber
Semiconductor
Steel & Glass
Telecommunications
Test & Measurement
Water & Wastewater
Weatherization

PALMER Wahl

INSTRUMENTATION GROUP

Continued Innovation Since 1836

ISO9001:2008 CERTIFIED

(800) 421-2853 • FAX (828) 658-0728 • www.palmerwahl.com

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Wahl Heat Spy® HSICBB-P

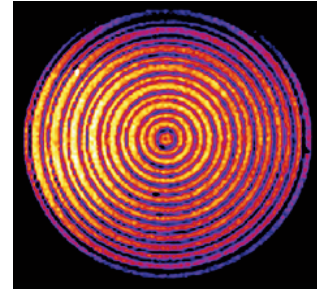
Portable Calibration Black Body • NIST Traceable



- Fast
- Accurate
- Lightweight
- Portable
- Easy to Use
- °F or °C

Do-It-Yourself Infrared Verification

The **Wahl HSICBB-P Calibration Black Body** is a portable ambient temperature black body used for single



Thermal image of black body plate

point calibration verification and checking of thermal imaging cameras and point infrareds.

With an accuracy of $\pm 0.3^{\circ}\text{F}$ (0.2°C) over the entire range, it is the most reliable way to confirm the accuracy of your instruments in house and in the field.

Affordable and easy to use, simply turn the black body on and choose either $^{\circ}\text{F}$ or $^{\circ}\text{C}$. Set your thermal imaging camera or infrared thermometer to the correct emissivity, aim at the target area, and compare readings. The result will confirm that your unit is within tolerance, and you can calculate the correction for zero error.



Housed in a watertight IP67 carrying case, the Portable Calibration Black Body is lightweight, portable, and easy to use. It provides all your infrared instruments with the traceability needed to maintain your quality control system.

HSICBB-P Portable Black Body Specifications	
Radiator	3" diameter concentric rings with integral 4-wire RTD sensor
Meter	4-wire RTD thermometer
Operating Range	-40° to 158°F (-40° to 70°C)
System Accuracy	$\pm 0.3^{\circ}\text{F}$ or $\pm 0.2^{\circ}\text{C}$ over entire range
Scale	$^{\circ}\text{F}$ or $^{\circ}\text{C}$ user selectable
Display	4-digit 1" high LCD
Display Resolution	0.1°
Display Update Rate	10 seconds
Repeatability	0.1° F or C
Heating Method	None, assumes the ambient temperature
Emissivity	0.95 or ± 0.02
Power	1-3.6 Volt Lithium Thionyl Chloride Battery, size "C"
Battery Life	3 year minimum, with "Low Bat" indicator*
Case	Pelican® 1150
Case Rating	IP67 (1 meter submersion for 30 minutes with case closed)
Size / Weight	9.12" x 7.56" x 4.32" (23.2 x 19.2 x 11.1 cm) 2.85 lbs. (1.29 kg)
Included	NIST Traceable Report of Calibration, User Manual

* Turning off unit when not in use will extend battery life.

Specifications subject to change without notice



Calibration Services Available

(800) 421-2853 • FAX (828) 658-0728 • www.palmerwahl.com

