

# ICI | 350 Portable IR Calibration Blackbody



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# ICI | 350 Portable IR Calibration Blackbody

The ICI 350 portable IR calibrator features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm) and a 0.95 emissivity. The isothermal target temperature can be set from 50 °C to 350 °C in increments of 0.1 °C. For even higher precision, a contact calibration well is located directly behind the blackbody surface. Using an optional digital Resistance Temperature Detector sensor and calibrated secondary probe, accuracies of  $\pm 0.1$  °C can be achieved. The ICI 350 portable IR calibrator includes a calibration certificate traceable via international agreement to all major national standards bodies, including the NIST.



## Features

- Easily certify IR pyrometers to 350 °C / 662 °F
- Large Blackbody Target
- Optional Resistance Temperature Detector (RTD) reference well for precision calibrations
- Calibrate new thermal instruments
- Re-calibrate old devices to ensure accuracy

## Specifications

- **Temp Range:** 50 °C to 350 °C
- **Accuracy:**
  - $\pm 0.5$  °C @ 100 °C /  $\pm 0.9$  °F @ 212 °F
  - $\pm 2.8$  °C @ 350 °C /  $\pm 5.0$  °F @ 662 °F
- **Stability:**
  - $\pm 0.1$  °C @ 100 °C /  $\pm 0.2$  °F @ 212 °F
  - $\pm 3.0$  °C @ 350 °C /  $\pm 5.4$  °F @ 662 °F
- **Target Size:** 2.25" (57 mm)
- **Resolution:** .01 °C / 0.1 °F
- **Emissivity:** 0.95
- **Power:** 230 V AC ( $\pm 10$  %), 1.5 A; or 110 V AC, 3 A
- **Dimensions:** 180 mm x 114 mm x 233 mm (HxWxD  $\pm .5$  mm)
- **Weight:** 2682 g

## Options & Accessories

- AC Power Cable
- Resistance Thermometer Detector (Optional)

## Calibration for:

- Infrared Instruments
- Point Radiometers
- Infrared Thermometers
- Non-Contact Digital Thermometers
- Temperature Guns
- Laser Thermometers
- Infrared Cameras
- Thermal Cameras
- Non-Contact Radiometric Devices

