



ICI's Temperature Reference Source 101 features a 70 mm (2.75") isothermal target specially designed to provide a constant temperature of 37 °C (98.6 °F). Its high accuracy makes it perfect for assistance in obtaining skin temperature measurements. Great for non-contact thermometer/camera calibrations, as well as other associated applications. Our instruments include a calibration certificate that is traceable via international agreement to all major national standard bodies, including the NIST.

## Features

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- Large target area
- Exceptional accuracy
- Constant 37 °C (98.6 °F) temperature
- Calibration for new thermal instruments
- Re-calibration for old devices

## Calibration for:

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- Infrared instruments
- Point radiometers
- Infrared thermometers
- Non-contact digital thermometers
- Temperature guns
- Laser thermometers
- Infrared cameras
- Thermal cameras
- Non-contact radiometric devices

## Specifications

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- **Temperature Range:** 37 °C (98.6 °F) factory setting
- **Operation Range:** 10 °C to 35 °C (50 °F to 95 °F)
- **Storage Range:** -40 °C to 70 °C (-40 °F to 158 °F)
- **Accuracy:** ± 0.2 °C @ 100 °C (0.36 °F @ 212 °F)
- **Stability:** ± 0.1 °C @ 100 °C to ± 0.2 °C @ 100 °C (± 0.18 °F @ 212 °F to ± 0.36 °F @ 212 °F)
- **Target Size:** 70 mm ± 0.5 mm (2.75" ± 0.02")
- **Resolution:** 0.1 °C (0.18 °F)
- **Emissivity:** 0.97 ± 0.02
- **Power:** 110V AC (± 10 %), 50 Hz
- **Dimensions:**  
154 mm x 133 mm x 152 mm (L x W x H ± 0.5 mm)  
(6.06" x 5.23" x 5.98" (L x W x H ± 0.02"))
- **Weight:** 2000 g (4.7 lbs)
- **Humidity:** 80%, relative

## Accessories

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- AC power cable
- Calibration certificate



Temperature Reference Source 101

**THIS DEVICE IS INTENDED FOR ADJUNCTIVE USE WITH OTHER CLINICAL DIAGNOSTIC PROCEDURES TO MEASURE HUMAN BODY TEMPERATURE VIA NON-CONTACT SKIN MEASUREMENTS VISUALIZED FROM THE HUMAN FACE. NOT MEANT FOR STANDALONE CLINICAL DIAGNOSTIC PROCEDURES OR TO TREAT OR DIAGNOSE PATIENTS.**