ICI | INFRARED CAMERAS INC

TEMPERATURE REFERENCE SOURCE I - MINI

Medical

ICI's Temperature Reference Source I - Mini has been developed for high-precision infrared body temperature measurements. Small in size, our device measure less than 3" in any direction allowing it to fit into the smallest of spaces. This source features a 35 mm (1.375") isothermal target specially designed to measure between 35 °C to 37 °C (95 °F to 98.6 °F). It is highly accurate making it a perfect temperature reference for non-contact calibration and associated applications. Our instruments include a calibration certificate that is traceable via international agreement to all major national standard bodies, including the NIST.

Features

- Miniature size
- Exceptional accuracy
- Narrow calibration range designed for skin temperature measurement devices
- Calibration for new thermal instruments
- Re-calibration for old devices

Calibration for:

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

Specifications

- **Temperature Range:** 35 °C to 37 °C (95 °F to 98.6 °F)
- **Operation Range:** 5 °C to 35 °C (41 °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 to 0.3 °C/30 minutes (± 0.18 °F to ± 0.54 °F/30 minutes)
- **Target Size:** 35 mm ± 0.5 mm (1.375" ± 0.02")
- **Resolution:** 0.1 °C (0.18 °F)
- **Emissivity:** 0.97 ± 0.02
- **Power:** 11V~25V
- **Dimensions:** 60 mm x 60 mm x 68 mm (L x W x H ± 0.5 mm) (2.36" x 2.36" x 2.68" (L x W x H ± 0.02"))
- **Weight:** 392 g (13.8 oz)
- **Humidity:** 80%, relative
- **Interface:** USB Type-C/WiFi

Accessories

- AC power cable
- Calibration certificate

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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.

2105 W. Cardinal Dr. Beaumont, TX 77705 | Phone: (409) 861-0788 | Toll Free: (866) 861-0788
infraredcameras.com | sales@infraredcameras.com | We Are IR ™