Infrared Systems Development has teamed with Santa Barbara Infrared to offer this new low cost solution for real-time body temperature measurement systems.

- The NightinGale Reference Target source is designed for in-scene comparison of human body temperature.
- Using the NightinGale in the same scene as the subject allows for immediate visual and reporting verification of the Infrared Camera Temperature.
- Infrared Cameras and spot sensors can be affected by many factors in the environment. These can be minimized with the NightinGale.
Specifications:

Temperature Range: 30 – 45 °C (86-113°F)

Wavelength Range: 3 – 14 um

Emissivity: >0.95

Emitter Size: in (mm): 3” x 3” (76.2 x 76.2 mm)

Source Type: Extended Area

Temperature Uniformity: +/- 0.15 °C (+/- 0.3 °F) Center 1.5 x 1.5” Area

Calibration Accuracy: +/- 0.15 °C (+/- 0.3 °F) Radiometric

Stability: +/- 0.05 °C (+/- 0.1 °F)

Response Time: < 5 Minutes

Set Temperature Resolution: 0.1 °C (0.2 °F)

Control Type: Active Multi-Band P.I.D.

AC Adapter Line Voltage: 90 to 125 or 208-240 VAC 50-60 Hz

Power Requirements: 18 VDC, 1A AC Power Adapter Provided

Operating Environment: 22°C +/- 3°C (71.6°F +/- 5.4°F) 5%-90% R.H. N.C.

Storage Temperature Range: -20°C to 70°C (-4°F to 158°F)

Warranty: 1 Year

Remote Interface: USB

Mounting: ¼ - 20 Tripod Mount

Weight: 1.5 lbs (.682 Kg)

Model Number: BTR-03

Specifications subject to change without prior notice