



# T-500PIR

## Infrared Thermometer Calibrator

- Generates temperatures from ambient to 500 °C.
- Quickly changes and stabilizes the temperature setpoints.
- Target with high homogeneity surface.

### NEW!!

Using your cell phone or Android device with our Andromeda application, connected to the T-500PIR through Bluetooth, you can easily set-up the right compensated temperature of the T-500PIR black body following the Sakuma-Hattori equation. If you need to calibrate an IR thermometer with a different emissivity, it will automatically set-up the right temperature of the black body source.

Technical Specification		T-500PIR
<b>Operating Range</b> ambient temperature: 23 °C		ambient to 500 °C
<b>Accuracy</b> internal reference with external thermometer		± (0.4 °C + 0.1% of reading)
		± 0.2 °C
<b>Resolution:</b>		± 0.01 °C
<b>Stability:</b>		± 0.2 °C
<b>Target Size:</b>		80 mm
<b>Target Emissivity (ε):</b>		0.95 ± 0.01
<b>Heating Time:</b>		30 min (50 °C to 500 °C)
<b>Target Uniformity:</b>		± 0.50 °C
<b>Cooling Time:</b>		30 min (500 °C to 100 °C)
<b>Weight:</b>		5,2 kg
<b>Power Supply:</b>		110 or 220 Vac, 50/60Hz
<b>Electric Power:</b>		1000 W
<b>Units / temperature Scales:</b>		°C or °F / IPTS-68 or ITS-90, user selectable
<b>Display:</b>		Graphic vacuum fluorescent with contrast adjustment
<b>Dimensions: (HxWxD)</b>		260 x 180 x 270 mm

### Order Code

T-500PIR – ☐ – ☐

#### Power Supply

- 1 - 110 Vac
- 2 - 220 Vac

#### Reference Thermometer

- 0 - No Reference Thermometer
- 1 - SPRT Din Reference sensor

**Serial Communication:** Modbus® RTU Protocol (RS-232/ RS-485).

**Included Items:** carrying case, manual, power cord and Bluetooth Interface.

#### Optional Accessories:

Communication Interface - Order Code: 06.02.0002-00.