



T-1200PIR

Infrared Thermometer Calibrator

- Generates temperatures from 50 °C to 1200 °C.
- The calibrator provides high homogeneity of the black body cavity <math><1^\circ\text{C}</math>.
- Delivered with a “N” type thermocouple for cavity reference temperature.

NEW!!

Using your cell phone or Android device with our Andromeda application, connected to the T-1200PIR through Bluetooth, you can easily set-up the right compensated temperature of the T-1200PIR 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-1200PIR

Operating Range ambient temperature: 23 °C	50 °C to 1200 °C
Display Accuracy internal reference with external thermometer	± 2.2 °C ± 0.75 °C
Resolution:	± 0.1 °C
Stability:	± 0.2 °C
Target Size:	20 mm
Target Emissivity (ϵ):	0.99
Heating Time:	45 min (100 °C to 1200 °C)

Weight:	10.4 kg
Power Supply:	115 Vac or 230 Vac 50/60Hz
Units / Temperature Scales:	°C or °F / IPTS-68 or ITS-90, user selectable
Display:	Graphic vacuum fluorescent with contrast adjustment
Dimensions: (HxWxD)	215 x 390 x 310 mm

Electrical Input Specifications

Input Ranges	Resolution	Accuracy
millivolt -150 to 150 mV 150 to 2450 mV	0.001 mV 0.01 mV	± 0.01 % FS ± 0.02 % FS
TC-N -20 to 1300 °C	0.1 °C	± 0.2 °C

Order Code

T-1200PIR-

Power Supply

- 1 - 115 Vac
- 2 - 230 Vac

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

Included Items: carrying case, straps, black body insert, test leads, insulation, manual and power cord.

Optional Accessories:

Communication Interface - Order Code: 06.02.0002-00.

Spare Accessories:

Thermocouple TC-N - Order Code: 01.22.0088-00.