



# T-1200PIR

## Infrared Thermometer Calibrator

- Generates temperatures from 50 °C to 1200 °C.
- The calibrator provides high homogeneity of the black body cavity <1°C.
- 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	± 2.2 °C	
	with external thermometer	± 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
milivolt	-150 to 150 mV	0.001 mV	± 0.01 % FS
	150 to 2450 mV	0.01 mV	± 0.02 % FS
TC-N	-20 to 1300 °C	0.1 °C	± 0.2 °C

Order Code		Serial Communication: Modbus® RTU Protocol (RS-232/ RS-485).
T-1200PIR- <div></div>		Included Items: carrying case, straps, black body insert, test leads, insulation, manual and power cord.
Power Supply		Optional Accessories:
1 - 115 Vac		Communication Interface - Order Code: 06.02.0002-00.
2 - 230 Vac		Spare Accessories:
		Thermocouple TC-N - Order Code: 01.22.0088-00.