PRESYS

T-500PIR
Infrared Thermometer Calibrator

- Generates temperatures from ambient to 500 ºC.
- 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

Operating Range ambient temperature: 23 °C	ambient to 500 °C
Accuracy internal reference	± (0.4 °C + 0.1% of reading)
with external thermometer	± 0.2 °C
Resolution:	± 0.01 °C
Stability:	± 0.2 °C
Target Size:	80 mm
Target Emissivity (ε):	0.95 ± 0.01
Heating Time:	30 min (50 °C to 500 °C)

Target Uniformity:	± 0.50 °C
Cooling Time:	30 min (500 °C to 100 °C)
Weight:	5,2 kg
Power Supply:	110 or 220 Vac, 50/60Hz
Electric Power:	1000 W
Units / temperature Scales:	°C or °F / IPTS-68 or ITS-90, user selectable
Display:	OLED Graphic
Dimensions: (HxWxD)	328 x 187 x 256 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.

PRESYS®

MANAGEMENT SYSTEM TÜVRheinland Brasil NBR ISO 9001 QUALITY

EF1097-00