



-30 °C to 150 °C

T-30NIR

Infrared Thermometer Calibrator

- Generates temperatures from -30 °C to 150 °C.
- It can be used with an external reference sensor (1/8" or 3mm, support of CVD parameters).
- Includes a front cover and a connection for dry air blowing on the target edges which prevents the ice formation.

Technical Specification

T-30NIR

Operating Range ambient temperature: 23 °C	-30 °C to 150 °C
Display Accuracy internal reference	± 0.4 °C
external reference	± 0.1 °C
Resolution:	± 0.01 °C
Stability:	± 0.1 °C
Target Size:	80 mm 60 mm with gas inflator device
Target Emissivity (ε):	0.98 ± 0.01
Heating Time:	18 min (25 °C to 150 °C)

NEW!!

Using your cell phone or Android device with our Andromeda application, connected to the T-30NIR through Bluetooth adapter, you can easily set-up the correct compensated temperature of the T-30NIR black body following the Sakuma-Hattori equation. If you need to calibrate an IR thermometer with a different emissivity, it calculates the correct temperature of the black body source.

Target Uniformity:	± 0.50 °C
Cooling Time:	25 min (25 °C to -30 °C)
Weight:	7.5 kg
Power Supply:	110 or 230 Vac, 50/60Hz
Electric Power:	400 W
Units / Temperature Scales:	°C or °F / IPTS-68 or ITS-90, user selectable
Display:	Graphic vacuum fluorescent with contrast adjustment
Dimensions: (HxWxD)	260 x 180 x 270 mm

Order Code

T-30NIR – –

Power Supply

1 - 110 Vac
2 - 230 Vac

Reference Thermometer

0 - No Reference Thermometer
1 - Pt-100 Class A Sensor

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

Included Items: carrying case, straps, cover, gas inflator device, brush to remove ice, manual, power cord and Bluetooth Interface.

Optional Accessories:

Communication Interface - Order Code: 06.02.0002-00.