

TECHNICAL DATA



Features

- For calibrating non-contact temperature instruments (infrared thermometers, pyrometers and thermal imagers)
- Wide aperture compensates for optical infrared thermometer variations
- Contact RTD reference well located directly behind the blackbody target to assure accurate results
- Includes power cord

Model	Description
BX-500	Infrared Temperature Calibrator
R8888	Hard Carrying Case
BX-500-NIST	Infrared Temperature Calibrator & NIST

Specifications

Temperature Range:	122 to 932°F (50 to 500°C)
Accuracy:	$\leq 212^{\circ}\text{F}$ (100°C): $\pm 1.6^{\circ}\text{F}$ (0.8°C) 212 to 392°F (100 to 200°C): $\pm 3.2^{\circ}\text{F}$ (1.6°C) 392 to 932°F (200 to 500°C): $\pm 5.6^{\circ}\text{F}$ (2.8°C)
Stability:	$\leq 212^{\circ}\text{F}$ (100°C): $\pm 0.2^{\circ}\text{F}$ (0.1°C) 212 to 392°F (100 to 200°C): $\pm 0.4^{\circ}\text{F}$ (0.2°C) 392 to 932°F (200 to 500°C): $\pm 0.8^{\circ}\text{F}$ (0.4°C)
Resolution:	0.1°F (0.1°C)
Target Emissivity:	0.95 (fixed)
Heating Time:	Approx. 30 mins to maximum
Cooling Time:	Approx. 30 mins to 122°F (50°C)
Aperture Diameter:	2.28" (58mm)
Display:	Dual LED
Power Supply:	110VAC, 2.5A
Product Certifications:	CE
Operating Temperature:	41 to 95°F (5 to 35°C)
Storage Temperature:	-4 to 140°F (-20 to 60°C)
Operating Humidity:	15 to 80%
Dimensions:	$7.1 \times 4.5 \times 8.8"$ ($180 \times 114 \times 233\text{mm}$)
Weight:	6.6lbs (3kg)