

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: | ≤212°F (100°C): ±1.6°F (0.8°C) 212 to 392°F (100 to 200°C): ±3.2°F (1.6°C) 392 to 932°F (200 to 500°C): ±5.6°F (2.8°C) |
| Stability: | ≤212°F (100°C): ±0.2°F (0.1°C) 212 to 392°F (100 to 200°C): ±0.4°F (0.2°C) 392 to 932°F (200 to 500°C): ±0.8°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 (100°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 x 4.5 x 8.8" (180 x 114 x 233mm) |
| Weight: | 6.6lbs (3kg) |