TECHNICAL DATA

**FEATURES**

- For calibrating non-contact infrared thermometers up to 500°C (932°F)
- Temperature controlled black-body target with a diameter of 2.25" (57mm)
- Wide field of view to compensate for optical variations in individual infrared thermometers
- Simply set the desired temperature in increments of 0.1°, wait for the calibrator to attain equilibrium, point the infrared thermometer at the target, and measure the radiated energy
- Contact RTD reference well is located directly behind the blackbody target to assure even higher accuracies of ±0.1°C

**SPECIFICATIONS**

- **Temperature Range:** 50.0 to 500.0°C (122.0 to 932.0°F)
- **Resolution:** 0.1°C (0.1°F)
- **Accuracy:** ±0.8°C (±1.6°F): ≤100°C (212°F); ±1.6°C (±3.2°F): 100 to ≤200°C (212 to 392°F); ±2.8°C (±5.6°F): 200 to ≤500°C (392 to ≤932°F)
- **Stability:** ±0.1°C (±0.2°F): ≤100°C (212°F); ±0.2°C (±0.4°F): 100 to ≤350°C (212 to 662°F); ±0.4°C (±0.8°F): 350 to ≤500°C (662 to ≤932°F)
- **Target Emissivity:** Fixed at 0.95
- **Cooling Time:** 45 minutes to 100°C (212°F)
- **Heating Time:** 40 minutes to maximum
- **Aperture Diameter:** 57mm
- **Power Supply:** 1.25A/110VAC (±10%), 2.5A
- **Dimensions:** 180 x 114 x 233mm
- **Weight:** 3 kg

**ORDERING INFORMATION**

- BX-500 ................. Infrared Temperature Calibrator
- BX-500-NIST ....... Temperature Calibrator & NIST

Available at: www.LicensedElectrician.com