

BX-350/350Y/500/BXC-15

Portable IR Calibrators

CEM

BX-350/BX-500/BXC-15 portable IR calibrators are used for calibrating long distance Infrared Thermometer, which are designed as handheld and small calibrators.

Specifications

	BX-350/350Y	BX-500	BXC-15
Temperature Range	50°C ~ 350°C (122°F ~ 662°F)	50°C ~ 500°C (122°F ~ 932°F)	-15°C ~ 120°C (5°F ~ 248°F)
Accuracy	±0.5°C @ 100°C (±1.0°F @ 212°F)	±0.5°C @ 100°C (±1.0°F @ 212°F)	±0.40°C at -15 to 0°C ±0.50°C at 0 to 100°C ±0.55°C at 100 to 120°C
	±1.2°C @ 350°C (±2.4°F @ 662°F)	±1.8°C @ 500°C (±3.6°F @ 932°F)	
Stability	±0.1°C @ 100°C (±0.2°F @ 212°F)	±0.1°C @ 100°C (±0.2°F @ 212°F)	±0.1°C @ 100°C (±0.2°F @ 212°F)
	±0.2°C @ 350°C (±0.4°F @ 662°F)	±0.3°C @ 500°C (±0.6°F @ 932°F)	
Target size	2.25" (57mm)	2.25" (57mm)	3.26" (83x83mm)
Target Emissivity	0.95	0.95	0.95
Resolution	0.1°C/°F	0.1°C/°F	0.01°C/°F up to 300°; 0.1°C/°F over 300°;
Heating Time	30 minutes to max	40 minutes to max	15 min: 120°C to 23°C 15 min: 23°C to -15°C
Cooling Time	30 minutes max to 100°C	45 minutes max to 100°C	15 min: 120°C to 23°C 20 min: 23°C to -15°C
			TFT Color display with capacitive touch screen
			Ethernet network interface
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A		

The BXC-15 reaches temperatures from -15 °C to 120 °C



Model BXC-15



EMC
EN: 61326

Whether you're using in-line or handheld infrared pyrometers, you need a high performance calibration standard to verify accuracy. Portable IR Calibrator provides a stable blackbody target for calibrating non-contact IR thermometers up to 500°C (BX-500).

The portable IR calibrator features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm), which offers a wide field of view area for optical variations in IR thermometers. With an emissivity of 0.95, the isothermal target can be controlled in set-point increments of 0.1° from 50°C to 500°C (BX-500)

For even higher precision, a contact calibration well is located directly behind the blackbody surface. Using an optional digital RTD thermometer and calibrated secondary probe, accuracies of ±0.1°C can be achieved.

Size(HxWxD): 180mm x 114mm x 233mm **Weight:** 2682g
Accessories: Carton box, AC power cable.



Model BX-350/500