



## BX-350/500

**BX-350 UPC : 887327350014**

**BX-500 UPC : 887327500020**

### Portable IR Calibrators

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



**Easily certify IR pyrometers to 500°C/932°F (BX-500)**

**Large 2.25" (57 mm) blackbody target**

**RTD (Resistance Thermometer detector) reference well for high precision**

**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).**

Size(HxWxD): 180mm x 114mm x 233mm

Weight: 2682g

Specifications	BX-350	BX-500
Temperature Range	50°C ~ 350°C/ 122°F ~ 662°F	50°C ~ 500°C/ 122°F ~ 932°F
Accuracy	±0.5°C @ 100°C/ ±1.0°F @ 212°F ±1.2°C @ 350°C/ ±2.4°F @ 662°F	±0.5°C @ 100°C/ ±1.0°F @ 212°F ±1.8°C @ 500°C/ ±3.6°F @ 932°F
Stability	±0.1°C @ 100°C/ ±0.2°F @ 212°F ±0.2°C @ 350°C/ ±0.4°F @ 662°F	±0.1°C @ 100°C/ ±0.2°F @ 212°F ±0.3°C @ 500°C/ ±0.6°F @ 932°F
Target size	2.25" (57mm)	2.25" (57mm)
Target Emissivity	0.95	0.95
Resolution	0.1°C/°F	0.1°C/°F
Heating Time	30 minutes to max	40 minutes to max
Cooling Time	30 minutes max to 100°C	45 minutes max to 100°C
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A	

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.

## Application



**Portable IR Calibrators**

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

Easily certify IR pyrometers to 500°C/932°F (BX-500)

Large 2.25" (57 mm) blackbody target

RTD (Resistance Thermometer detector) reference well for high precision

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**Accessories: Carton box, AC power cable.**