

# BX-350/500

## Portable IR Calibrators

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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



EMC  
EN: 61326

Specifications	BX-350	BX-500
Temperature	50°C ~ 350°C	50°C ~ 500°C
Range	(122°F ~ 662°F)	(122°F ~ 932°F)
Accuracy	±0.5°C @ 100°C (±1.0°F @ 212°F)	±0.5°C @ 100°C (±1.0°F @ 212°F)
Stability	±1.2°C @ 350°C (±2.4°F @ 662°F)	±1.8°C @ 500°C (±3.6°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	



Model BX-350

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).

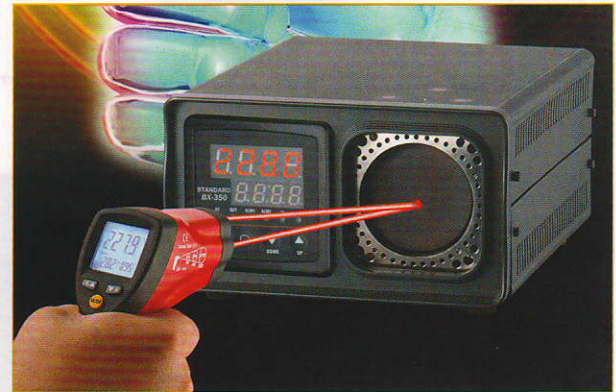
The portable IR calibrator features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm), which offers a wide field of view area for optical variations in IR thermometers. With an emissivity of 0.95, the isothermal target can be controlled in set-point increments of 0.1° from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



## BX-150 Dry-Well Temperature Calibrator

The new heat source to check your thermometer's accuracy up to 300°C/572°F. Simply set the heat source to the desired test point, insert the test probe into the best fitting well, and get a verification of the performance. It's that easy!

Specifications	
Range	33°C to 300°C (91.4°F to 572°F)
Resolution	0.1°C/F
Accuracy	±0.5°C (33 to 199°C) & ± 1°C (200 to 300°C) ±0.9°F (91.4 to 390.2°F) & ± 1°F (392 to 572°F)
Stability	±0.5°C
Heating Time	ambient to 300°C (572°F) after 10 minutes
Cooling Time	300°C (572°F) to 100°C (212°F) after 10 minutes
Stabilization	5 minutes
Well Depth	4" (100mm)
Power	230/115 volts



Model BX-150

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

**Weight:** 2200g

**Accessories:** Box, AC power cable.