

# ***ST100***

## **Portable Infrared Thermometer Calibrator**



The ST100 Blackbody Calibrator is a high performance, rugged (Mountain peak), and portable calibrator for infrared thermometer. The ST100 model has the ability to reach the temperature range from 0 to 200°C. The ST100 provide a stable, repeatable calibration point and allows the user to calibrate or test most infrared thermometer quickly and accurately. The target plate has a known (fixed) emissivity enabling the user to calibrate virtually any infrared pyrometer with a spot size diameter of 50 mm (2") or smaller. This model has the options of RS-232,422, and 485 computer communication interface which allows computer control of the set points for automatic test applications.

- ✧ Calibrates infrared thermometer quickly and accurately
- ✧ Built in digital PID auto-tune temperature controller with temperature readout to 0.1°C
- ✧ High speed warm-up and stable radiation
- ✧ Built-in inspection port for custom easy self-inspection
- ✧ Unique triangle tips surface for high emissivity

### **SPECIFICATIONS**

<b>MODEL</b>	<b>ST100</b>
Temperature Range	0°C to 200°C
Accuracy:	±0.1°C
Stability:	±0.15°C
Resolution	0.1°C

Ambient Operating	4°C-42°C
Target Plate Size:	50mm(2.") Unique triangle tips surface
Target Emissivity	0.95
Reference Sensor:	Platinum RTD Class A, Alpha = 0.00385
Warm-up Time:	15 min., from ambient to 200°C )
Dimensions:	226 x 166 x 266mm (H x W x L)
Weight:	7kg
Power:	115 Vac, 50/60 Hz, 70W

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