

Black Body Sources

Nagman Black Body Calibrators

*Table-top / Bench-top Version
For Low & Medium Temperatures*

Basic Accuracy : $\pm 0.5\%$ F.S.

For Non-contact Pyrometer Calibration

Model

BBSL & BBSM

- Compact, Light Weight & **Portable**
- Excellent Accuracy & Stability
- Auto-tune PID Controller
- Low Power Consumption
- Cost effective – Best value for Money
- Optional RS-232 Interface & Calibration Software



SPECIFICATIONS

Models	BBSL	BBSM
Range	10°C above Ambient to 350°C	20°C above Ambient to 600°C
Accuracy	Within 0.5% of indicated temperature (Min. 1°C)	Within 0.5% of indicated temperature (Min. 2°C)
Stability	±0.5°C	±0.5°C
Resolution	0.1°C	0.1°C
Temperature Control	Auto-tune PID Controller	Auto-tune PID Controller
Heating time (to max.)	45 Minutes	45 Minutes
Stabilization time	20 minutes (above 75°C)	20 minutes (above 75°C)
Temperature Readout	°C / °F selectable	°C / °F selectable
Emissivity	0.98	0.98
Aperture size	φ 12.5 mm	φ 12.5 mm
Power Supply	230 VAC / 50 Hz / 500 W	230 VAC / 50 Hz / 750 W
Dimension	260 x 305 x 135 mm (W x D x H)	260 x 305 x 135 mm (W x D x H)
Weight	5.5 Kgs	5.5 Kgs
Housing / Mounting	Benchtop (Portable)	Benchtop (Portable)

STANDARD DELIVERY

- Basic Instrument
- Mains Cable
- Traceable Calibration Certificate
- Instruction Manual

OPTIONAL

- RS-232 Computer Interface
- Caltemp Calibration Software
- Carrying Case
- Contact Thermocouple (to measure cavity temperature)
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory

Product of

NAGMAN INSTRUMENTS & ELECTRONICS (P) LTD.

- Comprehensive Calibration Solutions (Standards / Systems / Packages / Software / Services)

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