

## Black Body Sources

# Nagman Black Body Calibration Sources

*Table-top / Bench-top Version*  
For Low, Medium & High Temperature Ranges

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

**For Non-contact Pyrometer Calibration**

### Models

#### BBSL, BBSM & BBSH

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



**SPECIFICATIONS**

Models	BBSL	BBSM	BBSH
Range	10°C above Ambient to 350°C	20°C above Ambient to 600°C	500°C to 1200°C
Accuracy	Within 0.5% of indicated temperature (Min. 1°C)	Within 0.5% of indicated temperature (Min. 2°C)	Within 0.5% of indicated temperature (Min. 3°C)
Stability	±0.5°C	±0.5°C	±1.5°C
Resolution	0.1°C	0.1°C	1°C
Temperature Control	Auto-tune PID Controller	Auto-tune PID Controller	Auto-tune PID Controller
Heating time (Ambient to max.)	45 Minutes	45 Minutes	60 Minutes
Stabilization time (above 75°C)	20 minutes	20 minutes	20 minutes
Temperature Readout	°C / °F selectable	°C / °F selectable	°C / °F selectable
Emissivity	0.98	0.98	0.98
Aperture Dia	25 mm	25 mm	25 mm
Power Supply / Consumption	230V AC / 50 Hz / 350 W	230V AC / 50 Hz / 500 W	230V AC / 50 Hz / 1100 W
Dimension (L x D x H)	485 x 430 x 190 mm	485 x 430 x 190 mm	485 x 430 x 190 mm
Weight	11 Kg.	11 Kg.	11 Kg.
Housing / Mounting	Bench-top (Portable)	Bench-top (Portable)	Bench-top (Portable)

**STANDARD DELIVERY**

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

**OPTIONAL**

- RS-232 Computer Interface
- "Caltemp" Calibration Software
- Contact Thermocouple (to measure cavity temperature)
- Calibration Certificate from NABL Accredited – as per ISO/IEC 17025:2005 Laboratory
- 115V AC / 60 Hz Model

Product of

**Nagman Instruments & Electronics (P) Ltd.**

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