

## Black Body Sources

# Nagman Black Body Calibration Source

*Table-top / Bench-top Version  
For Low Temperature Ranges*

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

**For Non-contact Pyrometer Calibration**

### Model

**BBSL**

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



**SPECIFICATIONS**

Model	BBSL
Range	10°C above Ambient to 350°C
Accuracy	Within 0.5% F.S. (Min. 1°C)
Emissivity	0.98
Aperture Dia	25 mm
Stability	±0.5°C
Resolution	0.1°C
Temperature Control	Auto-tune PID Controller
Heating time (Ambient to max.)	45 Minutes
Stabilization time (above 75°C)	20 minutes
Temperature Readout	°C / °F selectable
Power Supply / Consumption	230V AC / 50 Hz / 350 W
Dimension (L x D x H)	485 x 430 x 190 mm
Weight	11 Kg.
Housing / Mounting	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

*Manufactured by*

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

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*Specifications subject to change owing to continuous development*

Nov. 2015