

**Black Body Sources**

**Nagman**  
**Dual Black Body Calibration System**

*Space Saver Calibrator for Simultaneous Measurement of Low & Medium Temperatures*

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

**For Non-contact Pyrometer Calibration**

**Model**

**BBSD**

- Enables simultaneous measurement of 2 Pyrometers / Quick Measurement in 2 Points over the range
- Compact, Light Weight, Bench-top & Portable
- Dual Ranges : 50 to 300°C & 250 to 600°C
- Excellent Accuracy & Stability
- High Emissivity, wide Aperture
- Auto-tune PID Controller
- Low Power Consumption
- Cost effective – Best Value for Money
- RS-232 Computer Interface – Optional
- Calibration Management Software – Optional



## SPECIFICATIONS

Models	Chamber 1	Chamber 2
Range	50 to 300°C	250 to 600°C
Accuracy	Within 0.5% F.S. (Min. 1°C)	Within 0.5% F.S. (Min. 2°C)
Emissivity	0.98	
Aperture size	φ 25 mm	
Stability	±0.5°C	
Resolution	0.1°C	1°C
Temperature Control	Auto-tune PID Controller	
Heating time (to max.)	45 Minutes	
Stabilization time	30 minutes	
Temperature Readout	°C / °F selectable	
Power Supply	230 VAC / 50 Hz	
Dimension	450 x 410 x 190 mm (W x D x H)	
Weight	14 Kgs	
Housing / Mounting	Bench-top / Table-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

*Manufactured by*

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

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