

**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
- Optional RS-232 Computer Interface
- Optional Calibration Management Software



## SPECIFICATIONS

Models	Chamber 1	Chamber 2
Range	50 to 300°C	250 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	
Resolution	0.1°C	
Temperature Control	Auto-tune PID Controller	
Heating time (to max.)	45 Minutes	
Stabilization time	30 minutes	
Temperature Readout	°C / °F selectable	
Emissivity	0.98	
Aperture size	φ 25 mm	
Power Supply	230 VAC / 50 Hz	
Dimension	355 x 300 x 160 mm (W x D x H)	
Weight	10 Kgs	
Housing / Mounting	Bench-top / Table-top (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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