

## 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



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## 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 PDI 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