

## Extended Area Black Body

### Wide Temperature Range

Calsys 110BB offer a wide temperature range from 10 °C to 110 °C

### Simple to use

The CALsys 110BB block is ideal for Industrial/Laboratory field use. It weight about 12 kg, and it is simple enough to testing and calibration uses.

### Speed

The Calsys 110BB extremely quick to reach various temperatures heats up room temp to +110°C in 25Mins. This saves time and increases productivity.

### Accuracy and performance

The Calsys 110BB is an easily portable unit that also provides excellent calibration accuracy with stability  $\pm 0.5^{\circ}\text{C}$  at 1200°C.

### Accredited calibration

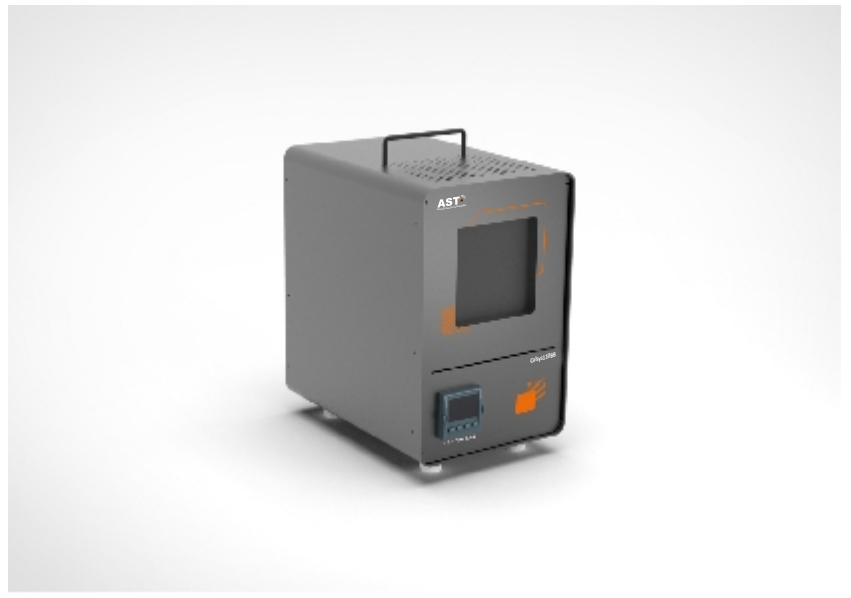
Each Calsys 110BB is delivered with an accredited calibration certificate.

### Computer Interface

The communication port enables communication with selected Calsys 110BB calibrators for automation calibration and documentation thus it made documentation easy

## Calsys110BB

highly stable black body furnace



Calsys 110BB offers easy to use blackbody calibrator with high temperature range from 10 to 110°C. It is a highly stable standard furnace for calibrating pyrometer and non contact sensor. This calibrator can be used on site for high temperature calibration and also find application in pyrometer industry, non contact sensor calibration. the unique feature of this black body furnace is large temperature control black body target with dia of 80mm which offers large view for IR camera . The temperature of the calibrator is set and controlled by a self tuned PID controller with automatic super fine adjustment. Our newly designed Calsys 110BB model offers better esthetic design and performance wise upgraded to next level. The emissivity of the target is 0.95(+/-0.01).

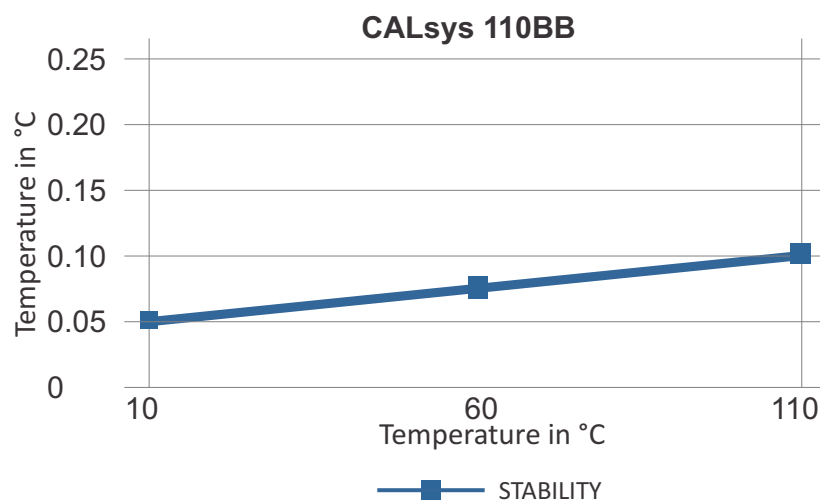
With the AST make Temperature Calibrator, you have chosen an extremely effective instrument which we hope will live up to all your expectations. This is a fast, timesaving, and reliable true industrial temperature calibrator designed for on-site use.

During the past several years, we have acquired extensive knowledge of industrial temperature calibration. This expertise is reflected in our products which are all designed for daily use in an industrial environment.

## SPECIFICATIONS

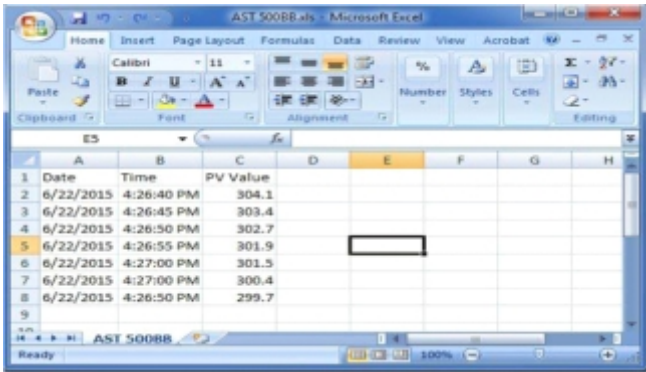
Temperature range	10 °C to 110 °C
Accuracy	±2.5 °C at 110 °C
Stability	±2.5 °C at 110 °C
	±0.07°C at 50°C
	±0.1°C at 110°C
Target dimensions	80 mm
Resolution	1 °C
Method of control	Digital self tuned PID Controller
Display	LCD, °C or °F user-selectable
Size (H x W x D)	330(H) x 355(W) x 225(D) mm
Weight	12Kg
Power requirements	230 VAC, 0.5 KW(50 Hz)
Computer interface	RS - 232
Calibration	Accredited calibration certificate provided
Environmental operating conditions	0 °C to 40 °C, 0 % to 90 % RH (non-condensing)
Specifications valid in environmental conditions	13 °C ... 33 °C

## Graphical Representation



## ACCESSORIES

### SOFTWARE



	A	B	C	D	E	F	G	H
1	Date	Time	PV Value					
2	6/22/2015	4:26:40 PM	304.1					
3	6/22/2015	4:26:45 PM	303.4					
4	6/22/2015	4:26:50 PM	302.7					
5	6/22/2015	4:26:55 PM	301.9					
6	6/22/2015	4:27:00 PM	301.5					
7	6/22/2015	4:27:00 PM	300.4					
8	6/22/2015	4:26:50 PM	299.7					
9								



- CalSoft including for setting bath temperature and monitoring the PV. Graphical representations of PV/TIME with 2 hours data logging.

### MASTER SENSOR

- Master pyrometer



- NABL accredited calibration certificate - 3 point
- Operational Manual

### CARRY CASE



- AST makes customized carry case is a rugged, safe perfectly designed to carry our new Extended Area Black Body calibrator and different accessories.