

CALSYS
-30/110

-30 to 110°C

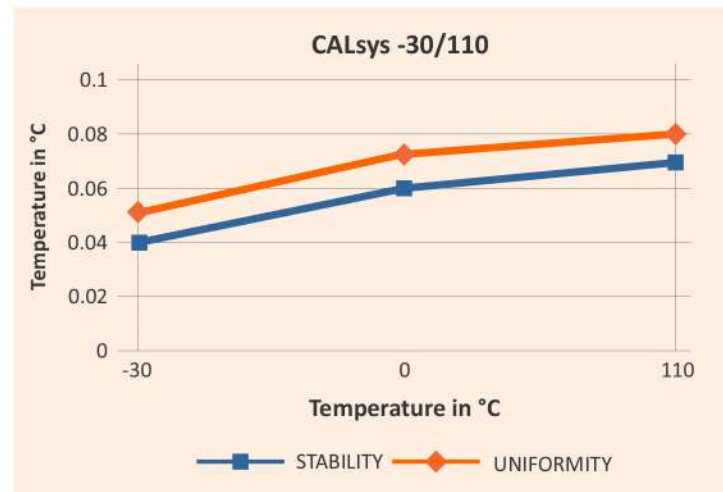
LOW TEMPERATURE DRY BLOCK CALIBRATOR

Calsys -30/110 is low temperature dry block furnace. The dry block furnace based on thermoelectric cooling circuitry. This model provides an special design isothermal enclosure (Aluminium block) in which the thermocouple/RTD can be calibrated against the temperature of the calibrator. The calibrator controller uses a precision RTD as a controlling sensor and controls the well temperature with thermoelectric cooler. To obtain and maintain a required temperature the controller varies the power to the heater via solid-state relay. There is one electricity driven fan which is situated under the heating chamber for cooling the heater. The dry block calibrator was designed for portability, moderate cost and ease of operation.



SPECIFICATIONS

Temperature Range	: -30 to 110 °C
Temperature Resolution	: 0.1°C
Stability	: ±0.04°C at -30°C ±0.06°C at 0°C ±0.07°C at 110°C
Uniformity	: ±0.05°C at -30°C ±0.07°C at 0°C ±0.08°C at 110°C
Controlling Sensor	: Precision PRT
Method of Control	: Digital self tuned PID Controller
Fixed Insert Construction	: 1 hole of 8mm and 2 hole of 6.5mm with 120mm length
Time to Reach Max/Min Temp	: 10/20 Mins
Operating Temperature	: 20 to 25°C
Computer Interface	: RS - 232
Power Requirement	: 230 VAC, 500 W
Dimensions	: 380(H) x 170(W) x 188(D) mm
Weight	: 11.70Kg (without packing)



KEY FEATURES

- ✓ Wide Operating Range (-30 to 110°C)
- ✓ High Stability
- ✓ PC Interfacing
- ✓ Simple to use and cost effective
- ✓ Portability
- ✓ Low temperature calibration facility upto -30°C
- ✓ Conveniently handle and calibration
- ✓ Light Weight



Carrying Case



Interchangeable Inserts
(as per requirement)