

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.



FEATURES

- ✓ Wide Operating Range (-30 to 110°C)
- ✓ High Stability
- ✓ PC interfacing
- ✓ Simple to use and cost effective
- ✓ Portability

SPECIAL FEATURES

- ✓ Low temperature calibration facility upto -30°C
- ✓ Conveniently handle and calibration
- ✓ Light weight

Technical Specification

S.No.	Description	Value
1	Temperature Range	-30 to 110 °C
2	Temperature Resolution	0.1°C
3	Stability	at -30°C ± 0.04°C at 0 °C ± 0.06°C at 110°C ± 0.07°C
4	Uniformity	at -30°C ± 0.05°C at 0 °C ± 0.07°C at 110 °C ± 0.08°C
5	Controlling Sensor	Precision PRT
6	Method of Control	Digital self tuned PID Controller
7	Fixed Insert Construction	1 hole of 8mm and 2 hole of 6.5mm with 120mm length
8	Time To Reach Max/Min. Temperature	Max 10 minutes Min 20 minutes
9	Operating Temperature	20 to 25°C
10	Power Required	230 VAC, 500 W
11	Dimension	380(H) x 170(W) x 188(D) mm
12	Weight	Approx 14 Kg
13	Computer Interface	RS - 232

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