

CalREF 60

- ✓ 60°C Thermoelectric reference unit
- ✓ Versatile use in factory, Laboratory, Instrument Shop
- ✓ NABL Traceable Calibration Available

In case of accurate thermocouple measurement, it's a common practice to reference the temperature at certain point. so that copper leads may be connected to an EMF readout device.

This procedure avoids the compensation of temperature at the terminal of the readout, which may not be constant and the measurement may not be very accurate. This reference junction temperature reading influences the output signal, and practical instruments like CalREF 60 are used to cancel this potential source of error.

The CalREF 60 reference unit relies on the stable and accurate maintenance of 60°C by use of precision controller.

The CalREF 60 has prewired copper terminals at the output end. The junction of the thermocouple to the copper wire are located in the uniform temperature block.

Provision of insertion of an external RTD is provided for checking the temperature of the box. The controller can then be adjusted to adjust the absolute temperature maintenance.



The CalREF 60 can be manufactured as per user defined requirements in terms of type of sensors.

Specification

Model : CalREF 60

Temperature Range : Ambient +5 to 90°C

Type of T/C : J, K, T, E, N, R, S, B

Accuracy : $\pm 0.2^{\circ}\text{C}$, Errors can be compensated by adjusting controller setting

Stability : $\pm 0.2^{\circ}\text{C}$

Stabilization time : 10 Min

Capacity : 4-24 Channel
(Max. Capacity : 48 Channel)

Protection Class : IP - 65

Resolution : $\pm 0.1^{\circ}\text{C}$

Weight : 10Kg Approx.

Power Supply : 240 V AC $\pm 10\%$, 50/60 Hz /
24 VDC

Electronic temperature control with Pt100