

Trio Cold-Junction Compensator

Model 885

The Isotech Trio is a low-cost, accurate, portable unit designed to compensate three thermocouples for the variations in EMF caused by the cold junction not being at the standard reference temperature of 0°C.

Tables are available for each thermocouple combination which give the voltage versus temperature variation. The Trio senses the ambient temperature and generates an electrical voltage to cancel out the variation, thus providing equivalent of a 0°C cold junction reference bath.

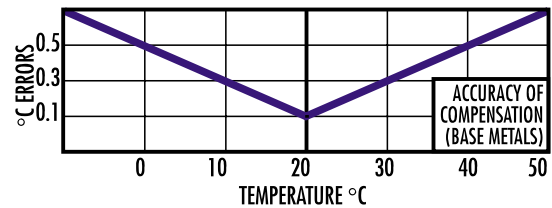
The Isotech Trio contains three electronic networks, incorporating a temperature-sensitive element which is thermally integrated with the thermocouple cold junction for maximum precision.

The Trio is manufactured to the highest standards and after assembly each unit is calibrated to ensure conformance to the relevant thermocouple table.

A wide range of thermocouple types are available. As standard, six thermocouple combinations are offered to customer requirements. The internal structure of the Trio allows either one, two or three thermocouple types to be compensated.

Key Features

- 3-Channel Thermocouple Referencing System
- Accurate
- Portable



SPECIFICATIONS

Model	885
Reference Temp	0°C (others by arrangement)
Operating Temp	0 to 55°C
Output Impedance	Less than 200 ohms
Power	110 VAC ±10% (50/60Hz) 10 Watts typical
Accuracy	See Graph
Compensation Type	K, T, J, E, U, N
Stability	Typically 0.02% p.a.
Dimensions	38mm x 80mm x 150mm (HxWxD)
Weight	0.8 lbs (349g)

HOW TO ORDER

Trio 885
Specify 3 thermocouple types e.g. Trio 885 K.K.E.

