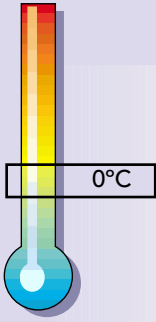


# Trio

## 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.

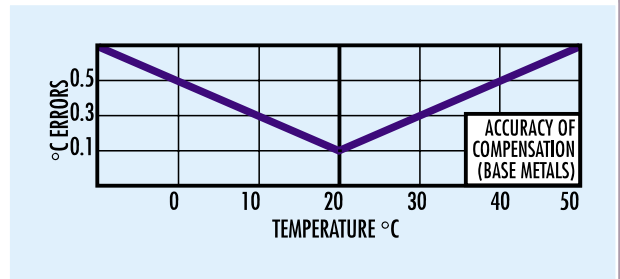
The unit is mains operated.

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, seven thermocouple combinations are offered to customer requirements. The internal structure of the Trio allows either one, two or three thermocouple types to be compensated.

N.B. The Trio has a common power supply and in some circumstances with grounded thermocouples earth loops can form causing apparent errors in compensation.

Model No.	885
Reference Temp	0°C (others by arrangement)
Operating Temp	0 to 55°C
Output Impedance	Less than 200 ohms
Power	10 Watts typical 100-130 or 208-240 VAC 50/60Hz
Accuracy	See Graph
Error due to Supply Variations	Negligible
Compensation for type	K, T, J, E, U, N U Wire used for R & S types unless otherwise specified
Stability	Typically 0.02% p.a.
Dimensions	Height 38mm Width 80mm Depth 150mm
Weight	349g



3 Channel Thermocouple Referencing System  
3 Channels of Compensation  
Accurate, Convenient



**How to order**

**Trio Model 885:** specify 3 thermocouple types and supply voltage e.g.. Trio K.K.E. 220V 50Hz.