

TRU Thermocouple Reference Unit

Model 938

The TRU (Temperature Reference Unit) supplies a stable and accurate 0°C, or elevated reference temperature.

It is a self-contained all solid-state unit using Peltier technology which provides maintenance free operation.

The TRU features rapid temperature shift even from high ambient temperatures and is stable within 10 minutes from switch on.

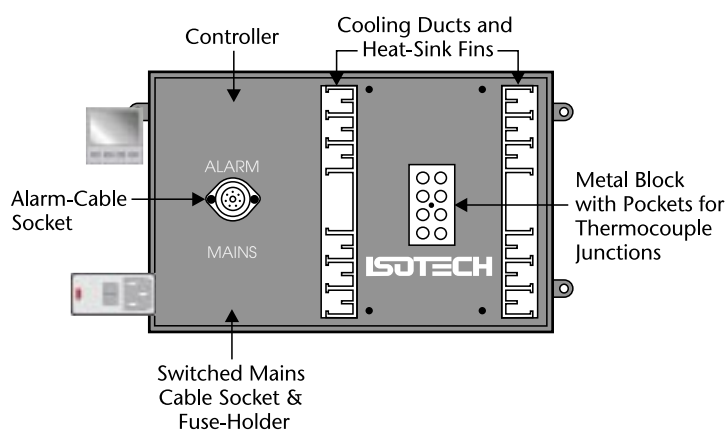
An alarm will be activated should the reference temperature deviate by more than 0.2°C.

Key Features

- Thermocouple Referencing to ISO9000 at 0°C, in Ambients of Up To 65°C or Elevated Reference Temperature
- References Up To 100 Thermocouples
- Direct Replacement for Other Units

Hint:

The TRU can be supplied in a 19" rack mounted enclosure. For the mechanical details see the TRUrac. Up to 2 TRUs can be fitted in to the 19" rack providing a maximum capacity of 100 double junction thermocouples, the unit is called the TRUrac



SPECIFICATIONS

Model	938
Accuracy	±0.03°C, Errors introduced by thermocouple loading can be removed by adjusting controller offset
Stability	±0.05°C
Ambient Range	2°C to 65°C
Stabilizing Time	10 minutes from 44°C
Alarm Facilities	Non-latching relay rated 5 Amps 240V
Standard Capacity	6 x 6.2mm holes plus 4.2 for calibrated standard PRT or 8 x 8.2mm holes plus 4.2 for calibrated standard PRT
Power	110 VAC ±10% (50/60Hz) 100 Watts typical
Dimensions	228mm x 248mm x 143mm (HxWxD)
Weight	12.1lbs (5.5kg)

HOW TO ORDER

TRU 938
Normally uniquely specified for each order. Please discuss your exact requirements with us before ordering.

