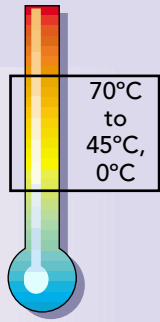


TRU

Model 938



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

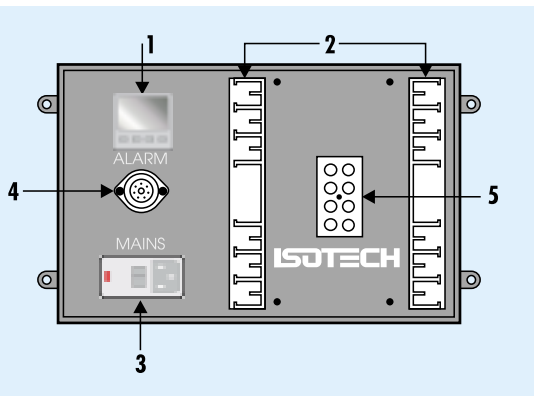
It is a self-contained all solid-state unit using Peltier technology which provides maintenance free operation.

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.

PANEL LAYOUT & FUNCTIONS

- 1 Controller
- 2 Cooling Ducts and Heat-Sink Fins
- 3 Switched Mains Cable Socket & Fuse-Holder
- 4 Alarm-Cable Socket
- 5 Metal Block with Pockets for Thermocouple Junctions



*Thermocouple Referencing to ISO9000 at 0°C, in ambients of up to 65°C or elevated reference temperature, References 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 page 19. 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

Model No.	938
Accuracy °C	±0.03°C, Errors introduced by thermocouple loading can be removed by adjusting controller offset
Stability	±0.05°C
Ambient Range °C	2°C to 65°C
Stabilising 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	100 Watts typical 100-130 or 208-240 VAC 50/60Hz
Dimensions	Height 228mm Width 248mm Depth 143mm
Weight	5.5kg (12.1lb)

How to order

TRU Model 938

Normally uniquely specified for each order.

Please discuss your exact requirements with us before ordering.

