Thermocouple Reference Unit
TRUrac Model 847

0 to 70°C
ACROSS RANGE

°C

- ■ Rack Mounted
- ■ Large Capacity
- ■ Approved for Power Station Use

The TRUrac is a 0°C or elevated temperature thermocouple reference system mounted in a 19" chassis. It has been developed for situations where ambient temperature can be up to 65°C.

The reference temperature is normally set to 0°C or between 45°C and 70°C. For other temperatures please contact Isotech.

An alarm will be activated should the reference temperatures deviate by more then 0.2°C.

Inside the rack case is a high stability thermal block which has a capacity of up to 100 thermocouple channels, the probe wires being terminated at the rear of the unit on rail mounted screw terminals.

To special order a second thermal block may be fitted to allow a capacity of 200 channels in a single unit.

The customer simply connects their thermocouple wires and copper output wires to these terminals. All the thermocouple cold junctions are inserted into a metal oven block which is accurately temperature controlled.

Model	847
Operating Temp.	0°C (or 45° to 70°C)
Ambient Range	2°C to 65°C
Stability	±0.03°C, Errors introduced by thermocouple loading can be removed by adjusting controller offset
Stabilising Time	10 minutes from 44°C
Capacity	Up to 100 Double Junction Channels
Input/Output Connections	Klippon Terminals, type 1.5 AKZ
Alarm facilities	Non-latching relay rated 5 Amps 240V
Power	100 Watts typical 100-130 or 208-240 VAC 50/60Hz
Dimensions 50 to 100 Channels	Height 400mm Width 483mm Depth 312mm
Weight	24kg

Accessories

935-14-54	Platinum Resistance Thermometer Includes UKAS Calibration at 0.01°C
935-17-32	Fan Filter - recommended for high dust environments

How to order
Should be specified uniquely on each order.
Please discuss your exact requirements with us before ordering.

Note:
Rack mounted Temperature Thermocouple Referencing System Large Capacity. Approved for Power Station Use.
Reference temperatures set to 0°C or between 45°C and 70°C.