



Description

A high range dry block calibrator primarily for calibration of thermocouples, thermoswitches, thermistors, and other high temperature sensing devices. The 8073 covers the temperature scale in the high range from 100 to 1205 °C with an excellent stability of 0.1 °C / 0.18 °F.

Features include an automatic switch test, programmable auto stepping, excellent stability and an intuitive display that allows fast and easy operation. The 8073 has USB communication and is EasyCal software compatible for control and readback, enabling automated calibration. When utilised with a CalBench system, the 8073 is used as a temperature source with the UUT (sensor) output measurement via a module. Modules like the 8060, 7051 or 5065B feature precision RTD and thermocouple measurement.

Additional multi-channel signal scanners are available for batch testing of temperature devices, automated via EasyCal software. These include the 7085A 10 channel scanner module and the 8085 advanced signal multi-scanner module (8 or 16 channel versions). Both modules are also available as benchtop units.

Features

- 100 to 1205 °C (212 to 2200 °F)
- High range with fast heating & cooling
- Excellent accuracy and stability
- Simple operation and intuitive display
- Interchangeable inserts
- Supplied with multi hole insert
- Auto stepping
- MVI Mains Variance Immunity
- EasyCal software compatible

Specifications

Temp Range	Heating Time	Cooling Time	Accuracy	Resolution	Stability	Approx Time to Stability	Immersion depth	Insert diameter
100 to 1205 °C (212 to 2200 °F)	23 to 1205 °C: 50 mins	1205 to 300 °C: 45 mins 300 to 50 °C: 45 mins	±2.0 °C (3.6 °F)	1, 0.1 or 0.01 (°C/°F/K)	±0.1 °C (0.18 °F)	20 mins	110 mm (4.3 in.)	27 mm (1.6 in.)

Switch input (dry contact)	Max 14 V DC test voltage / Max 1 mA test current.
Supplied pre-drilled inserts	Standard version (metric): 3, 4, 6 mm. Imperial version (8073-I): 1/8, 3/16, 1/4 ". 1 x undrilled insert supplied.
Interfaces	USB (EasyCal compatible).
Environmental	Operating temp: 0 to 50 °C / 32 to 122 °F. Storage temp: -20 to 50 °C (-4 to 122 °F). Humidity: 5 to 90 % RH.
Mains supply	115 V AC / 60 Hz to 230 V AC / 60 Hz.
Dimensions	L 248 x W 148 x H 390 mm (L 9.76 x W 5.83 x H 15.35 ").
Weight	7.1 kg (15.7 lb).
Supplied accessories/extras	1 x multi hole insert, 1 x undrilled insert, carry case & traceable calibration certificate.
Optional insert packs	8073-METP: Pack of 10 Metric Inserts for 8073 - 3,4,5,6,7,8,9,10,11,12 mm. 8073-IMPP: Pack of 7 Imperial Inserts for 8073 - 1/8,3/16,1/4,5/16,3/8,7/16,1/2 ".
Calibration	Traceable calibration certificate supplied as standard. Option C226: ISO 17025 calibration certificate.
Accessories upon request	Insulation plugs, blank and pre-drilled inserts, cleaning brushes, thermal protection shields.