



Haven Automation Limited

Calibration Solutions for Industry

# Tempcal<sup>®</sup> 700

PRECISION DRY BLOCK TEMPERATURE CALIBRATOR

## Features

- Wide temperature range
- Switch test functions
- Large multi-hole fixed block with slim inserts to match most common size probes
- Solid block giving unrivalled temperature uniformity
- Rapid heating and cooling rates
- USB connection to TempWorks software package
- Optional UKAS calibration certificate available (recognised to ISO/IEC 17025:2005)



The Tempcal<sup>®</sup> 700 offers precise temperature control stability up to 700°C. The unit gives market leading stability and accuracies up to and above the melting point of Aluminium (660°C), by utilising a specially designed heater block, which gives optimum temperature uniformity and rapid heating rates.

The block has 6 fixed bores in either metric or imperial sizes, with a slim insert sleeve matching any of the bores. This design gives unrivalled uniformity across the block but also allows the maximum flexibility between test probe sizes. It also allows fast heat-up and cool-down rates as well as helping to keep the weight of the unit down.



0295



UVDB  
empowered by Achilles

## Specification

Minimum temperature	ambient +25°C
Maximum temperature	700°C
Temperature accuracy in measuring zone	±0.25°C at 700°C
Temperature uniformity in measuring zone	±0.04°C radial and ±0.4°C axial
Temperature stability @ 700°C	±0.03°C
Temperature stability @ 100°C	±0.005°C
Display resolution	0.01°C
Heat up rate in 25 minutes	ambient to 700°C
Cool down rate in 30 minutes	700°C to 100°C
Fan cooling	automatic
Com Port	USB
Height	285 mm
Width	190 mm
Depth	426 mm
Weight	10 kg

Part No	Insert Size*
FINS7100	Insert block probe 10.0 mm
FINS7080	Insert block probe 8.0 mm
FINS7060	Insert block probe 6.0 mm
FINS7045	Insert block probe 4.5 mm
FINS7030	Insert block probe 3.0 mm
FINS7BLM	Insert block BLANK METRIC
FINS7375	Insert block probe 3/8"
FINS7312	Insert block probe 5/16"
FINS7250	Insert block probe 1/4"
FINS7220	Insert block probe 7/32"
FINS7187	Insert block probe 3/16"
FINS7125	Insert block probe 1/8"
FINS7BLI	Insert block BLANK IMPERIAL



\*Insert sleeves - aluminium bronze  $\varnothing 15$  x 156 mm long



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**UKAS Laboratory No: 0295**

Due to our policy of continual product development we reserve the right to amend this specification without notice.

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