DATASHEET

Fast-Cal-High

Isotech

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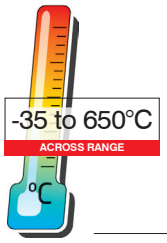


Industrial Temperature Calibrators
Fast-Cal

- 25 x 148mm Calibration Volume
- Rugged
- Lightweight
- Easy to use on Site

Fast-Cal - *the product range you designed !*

During early 2004, 20 experienced engineers from many parts of the world were asked to produce their ideal specification for industrial calibration. Their top ten requirements, in order of priority, are: *Rugged, Lightweight, Easy to use on site, Low cost/high benefit ratio, Fast response, high stability, Time saving features, Multiple sensor testing, Software, Modern design, Compliant with the latest regulations.*

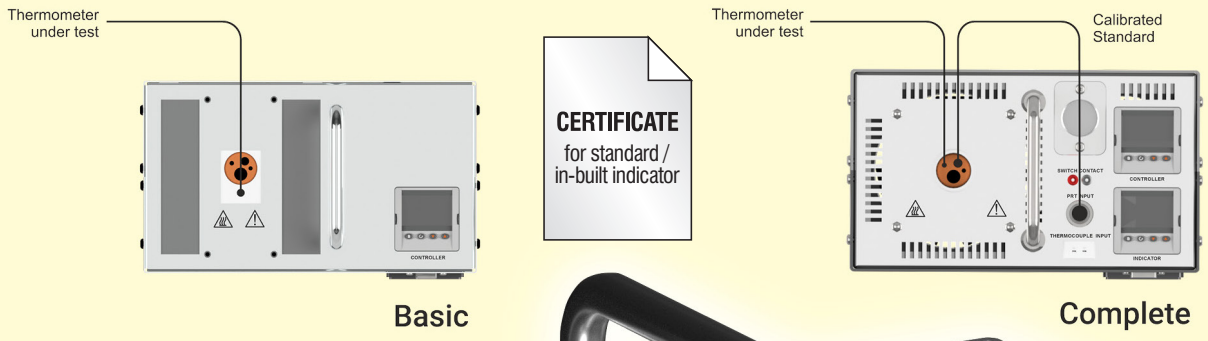
Fast-Cals are available in Basic or Complete models

■ A Basic Dry Block Calibrator

The thermometer under test is compared to the dry block controller value. Useful for moderate temperature ranges and quick testing.

■ An ISO 9000 Calibration System

A thermometer under test is compared to a calibrated standard, for true traceability and clearly meets the requirements of ISO9000. Complete models include a semi-standard probe.



Basic

Complete

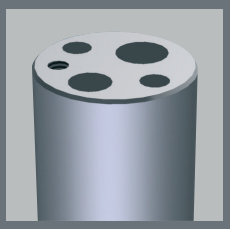
Model No.	Low	Medium	High
Range at 20°C	-35 to +140°C (1)	30 to 350°C	35 to 650°C
Stability	0.02°C	0.03°C	0.03 to 0.05°C
Accuracy - Basic	±0.2°C	±0.3°C	±1°C (500°C) ±2°C (650°C)
Accuracy - Complete (2)	±0.15°C	±0.2°C	±0.5°C
Heating Time	-30 to +140°C In 15 minutes	50 to 350°C In 15 minutes	50 to 650°C In 20 minutes
Cooling Time	+140 to 0°C In 15 minutes	350 to 100°C In 40 minutes	650 to 300°C In 20 minutes
Calibration Capacity	148mm depth 25mm Ø	148mm depth 25mm Ø	148mm depth 25mm Ø
Power	150W	750W	750W
Traceable Certificate	Included	Included	Included
UKAS Certificate	Extra	Extra	Extra
PC Communications	Included	Included	Included
Software	Included	Included	Included
4-20mA Input	Complete Models	Complete Models	Complete Models
Ramps and Dwells	Yes with Software	Yes with Software	Yes with Software
Dimensions	228 x 248 x 143mm	228 x 248 x 143mm	228 x 248 x 143mm
Weight	6.60kg	6.35kg	6.35kg

(1) In ambient of 20°C: Minimum Temperature is 55°C Below Ambient, Absolute Minimum -45°C.
(2) When used with a suitable Isotech Semi Standard PRT.

How To Order
Specify Model, Basic or Complete, Supply Voltage, Accessories and if UKAS Calibration is required.

Features (Basic & Complete)	LOW	MEDIUM	HIGH
Rugged, hard-wearing stainless steel case	✓	✓	✓
Hygienic with no paint to chip or flake	✓	✓	✓
No membrane keypads	✓	✓	✓
Lightweight - less than 6.6kg	✓	✓	✓
Thermal Switch Test - Complete Model with Software	✓	✓	✓
Easy to use on site, effortless transporting	✓	✓	✓
Fast response - high stability	✓	✓	✓
Built-in Insert holder for ultra fast changes and restarts	-	✓	✓
Removable inserts, drilled to your requirements	✓	✓	✓
PC interface	✓	✓	✓
Additional software available for automatic calibration	✓	✓	✓
Certificate traceable to National Standards	✓	✓	✓
Five point UKAS Certification available	✓	✓	✓
Mains power variance immunity	✓	✓	✓

***Note**: The Complete model can capture a thermostat trip temperature either as a stand alone unit or with a PC and the included software.*



Low, Medium & High
Standard Insert is:
2 x 4.5mm + 1 x 6.5mm + 1 x 8mm x 140mm Deep.
All Inserts have a 4mm tapped hole to suit supplied extractor tool.

Extra Inserts

In addition to the standard insert, specially drilled or blank inserts are also available.

	Low & Medium	High
Standard	**907-02-03**	**907-02-03d**
Custom	**907-02-03c**	**907-02-03g**
Blank	**907-02-03b**	**907-02-03f**

Carrying Case included