

**ISOTECH**

## Selection Guide

Basic, Site or ADVANCED?



[www.isotech.co.uk](http://www.isotech.co.uk)

# Choosing a Dry Block: Basic Models

## “BASIC Models”



<http://isotech.co.uk/fast>



<http://www.isotech.co.uk/4000>



<http://www.isotech.co.uk/deep>



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# Choosing a Dry Block: Basic Models

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## BASIC version

Heat source with digital display of set and nominal block temperature

Most Models Have

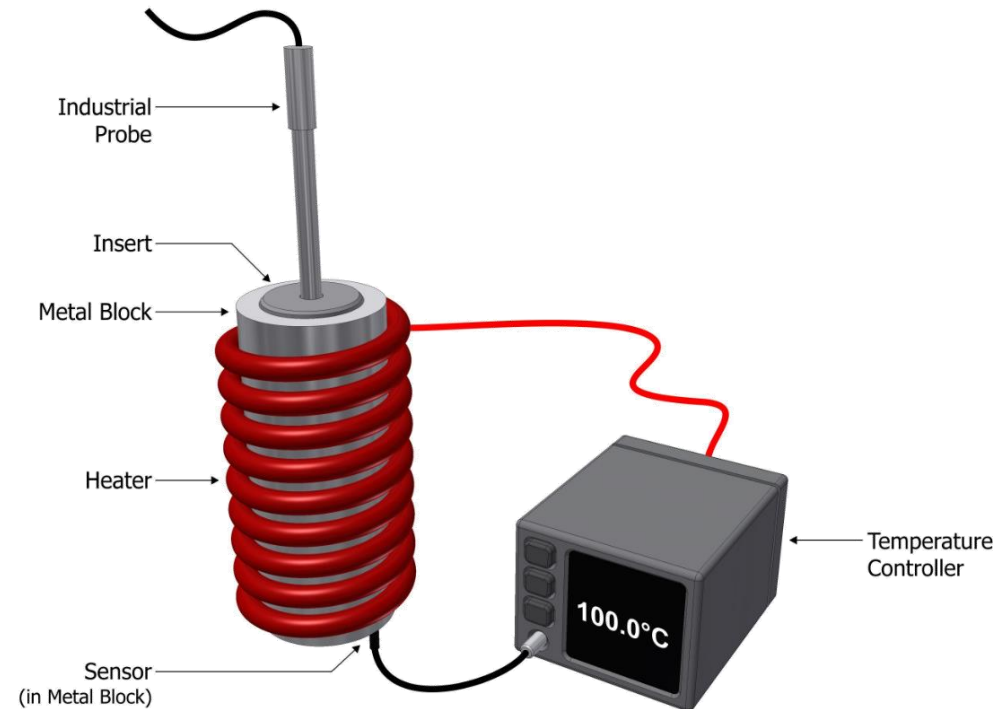
- Field changeable units °C - °F – K
- Autotune feature
- Setpoint ramp feature
- PC Serial interface



# Using a Basic Calibrator

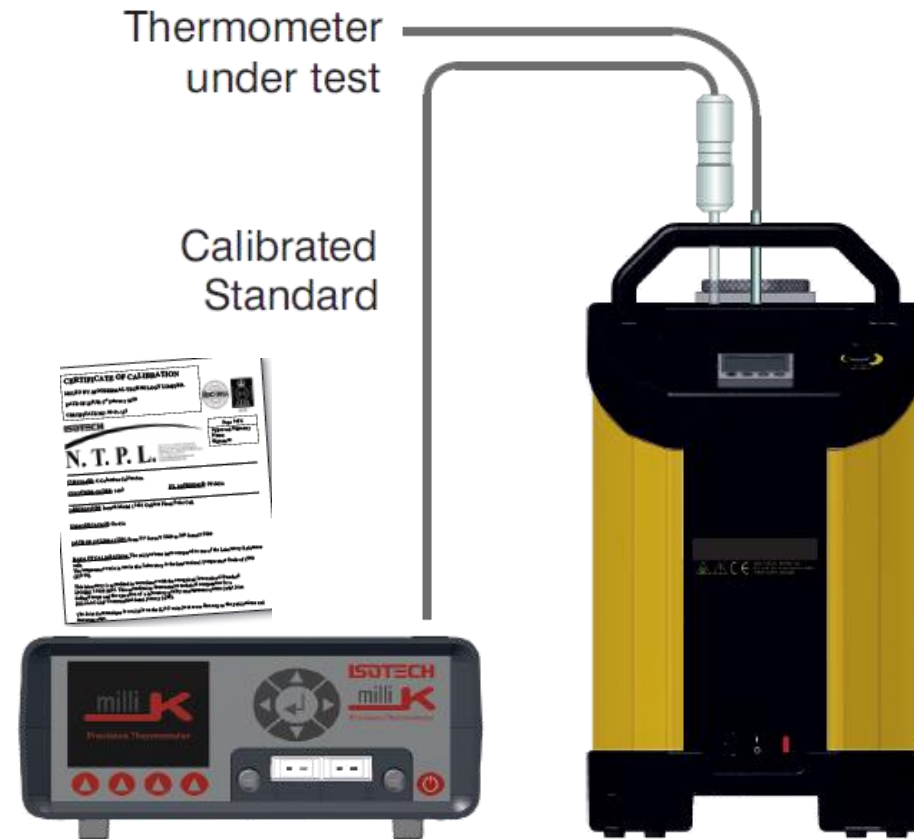
The thermometer under test is compared to the dry block controller value

Useful for moderate temperature ranges and quick testing



# Using a Basic Calibrator

Can be used with an external indicator for better performance



# Choosing a Dry Block: Site Models

## “Site Models”



<http://isotech.co.uk/fast>



<http://www.isotech.co.uk/4000>



<http://www.isotech.co.uk/deep>



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# Choosing a Dry Block: Site Models

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## The Site model

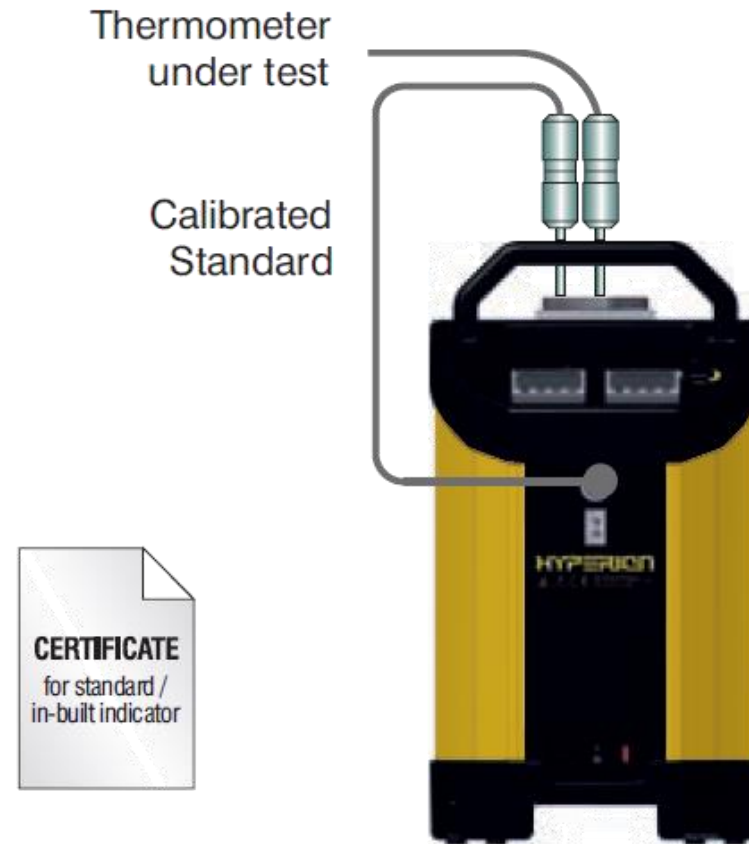
All the features of the BASIC version with the addition of an independent indicator to use as the reference channel

Supports single “Switch” testing with reversible polarity



# Using the Site (S) Model

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# Choosing a Dry Block: ADVANCED Models

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“ADVANCED Models”



<http://www.isotech.co.uk/4000>



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# Choosing a Dry Block: ADVANCED Models

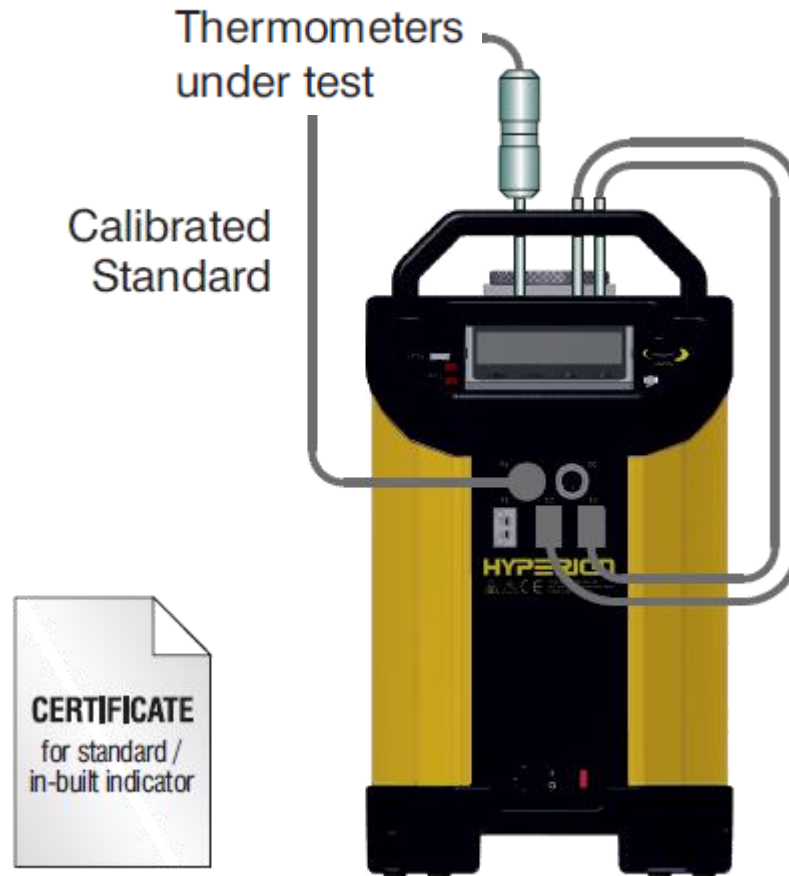
## ADVANCED version

- Now up to three input channels
  - Datalogging, Ethernet, Automatic temperature stepping, Offset Elimination and many more features



# Using the ADVANCED Model

Isotech ADVANCED –  
has inputs for test  
thermometers in  
addition to the  
reference probe



# Learn More: Further Information

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## A Guide to Industrial Temperature Calibration: Traceable Calibration

For more information, visit [www.isotech.com](http://www.isotech.com) or contact your local distributor.

**Pre-purchase check list**

1. Does the supplier have an accredited laboratory? ISO accreditation is the international standard for quality and competence of calibration services. It is a requirement for ISO 9000 certification. Only suppliers with ISO accreditation can provide the performance assurance in temperature that you need. It is a legal requirement for suppliers to provide a certificate of conformity and compliance.
2. Is it ISO 9000? Does the supplier have a certificate of conformity and compliance? Can they tell you how to establish a compliance with ISO 9000? Can they tell you how to establish a compliance with ISO 9000?
3. ISO 9000? Can the supplier be used with other systems? Are there any restrictions on the use of the system? Are there any restrictions on the use of the system?
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**Dry Block Calibrator of Poor Design**

**Dry Block Calibrator Meeting ISO 9000 Requirements**

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## MODEL ADVANCED

- Best performance**
  - Best in class accuracy
  - Best in class stability
  - Best in class repeatability
  - Best in class resolution
- View easily in all conditions**
  - Large Bright Colour Display
  - Works in 3 languages
  - Operating in 3 languages
- View from anywhere**
  - 21" Colour LCD display with 800x480 resolution
  - Download data to PC via USB
  - View data from anywhere on your PC
- Save time and money**
  - AUTOMATIC TEMPERATURE CYCLING
  - Program the AUTOCYCLE with 16 temperature points
  - 16 temperature points
  - 16 temperature points
- Safely store and secure all the data you need**
  - Multiple internal memory slots
  - Store data on USB or USB Drive
  - Secure Data Copy Mode on the Front Panel
  - Password Protection
- Supports five languages**
  - English, French, German, Italian and Spanish
  - Simple to use with 100% user interface
- Connect more probes**
  - UP TO 5 INPUT CHANNELS
  - 5 input channels
  - 5 input channels
  - 5 input channels
- Offset elimination**
  - Combined 4-wire and 2-wire
  - 4-wire and 2-wire
  - 4-wire and 2-wire
  - 4-wire and 2-wire
- Thermostat testing**
  - Test Your Thermostat
  - Test Your Thermostat
- The software you need**
  - PC based for recording data with support for all major PC operating systems
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

<http://bit.ly/2k8bGAI>



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# Learn More: Further Information

<http://bit.ly/2k8bGAI>

	 Ø 65mm	 Ø 65mm	 Ø 35mm	 Ø 35mm	 Ø 35mm	 Ø 65mm	 Ø 35mm	 Ø 33.5mm
	Isocal-6					Dry Block Calibrators		
	HYPERION	DRAGO	EUROPA	VENUS	CALISTO	GEMINI	JUPITER	PEGASUS
Specifications								
Metal Block Bath 	✓	✓	✓	✓	✓	✓	✓	✓
Stirred Liquid Bath 	✓	✓	✓	✓	✓			
Stirred Ice/Water Bath 	✓		✓	✓				
Blackbody Source 	✓	✓	✓	✓	✓	✓	✓	✓
Surface Sensor 	✓	✓	✓	✓	✓		✓	
ITS-90 Fixed Point 	✓	✓	✓	✓	✓			
Temperature Range (°C)								
1200°								150°C → 1200°C
1100°								
1000°								
900°								
800°								
700°								
600°								
500°								
400°								
300°								
200°								
100°								
0°								
-100°								
	25°C → 140°C	30°C → 250°C	45°C → 140°C	-35°C → 140°C	30°C → 250°C	35°C → 700°C	35°C → 660°C	