

# Dry Block Calibrators

## Apollo 1 & 2

- Self Contained Reference
- UKAS Included
- Choice of Preset Temperatures

The Apollo Dry Block range offer a complete self contained and simple solution for the checking and calibrating of temperature sensors. The sensors under test are placed in the large block and one of the five preset temperatures is selected, the temperature from the sensor is then recorded against the value from the Apollo's UKAS Calibration Certificate. This calibration certificate is included as standard. The moderate temperature range, deep immersion depth and fixed block allow it to be issued without the need for an external standard.

The Apollo is widely used as a reference standard in hospitals, local government and food industries etc. The Apollo has been developed from Isotech's very first dry block and has a long history of successful use. See the calibration history chart of a typical bath.

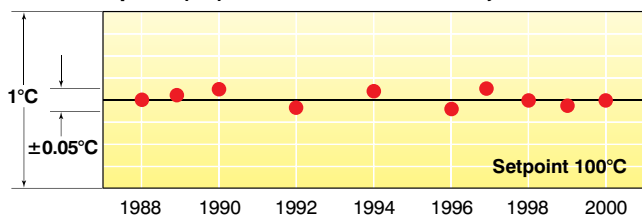
The block has four 8mm pockets and four 19.5mm pockets all 160mm deep.

The Apollo can be provided with customer selected temperatures in addition to the two standard models which have the following temperatures preset.

<b>Apollo 1</b>	37°C	65°C	100°C	121°C	130°C
<b>Apollo 2</b>	100°C	150°C	200°C	250°C	300°C



**Apollo (R3) 12 Year Calibration History**



*This graph shows the actual calibration history over 12 years of an Apollo, the deviation is  $\pm 0.05^\circ\text{C}$  and all values fall comfortably within the uncertainty band,  $0.15^\circ\text{C}$ .*

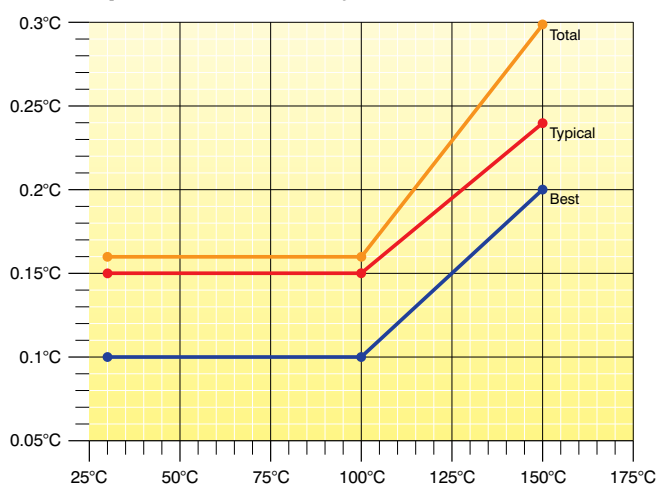
Features	Apollo 1	Apollo 2
High Capacity Block	✓	✓
Gold Plated Selector Switch	✓	✓
Exceptionally Low Drift	✓	✓
Includes UKAS Certificate as Standard	✓	✓
Option for Customer Specified Preset Temperature	✓	✓
Easy to use Temperature Reference	✓	✓
Self Contained, no further equipment necessary	✓	✓

Model	Apollo 1	Apollo 2
Temperature Range	37, 65, 100, 121, 130°C	100, 150, 200, 250, 300°C
Absolute stability over 30 minutes	At 100°C ±0.02°C	
Cools from 130°C to 65°C 300°C to 100°C	70 minutes N/A	N/A 160 minutes
Heats from 37°C to 130°C 100°C to 300°C	20 minutes N/A	N/A 30 minutes
Uncertainties	Refer to uncertainties graph below	
Calibration volume	Four 8mm pockets, 160mm deep and four 19.5mm pockets, 160mm deep	
Display	LED indicator showing At, Under & Over temperatures	
Power	100 to 120V (50 / 60Hz) or 200 to 240V (50 / 60Hz) 500 Watts	
Dimensions	Height 302mm Width 176mm Depth 262mm	
Weight	9.5kg	

### How To Order

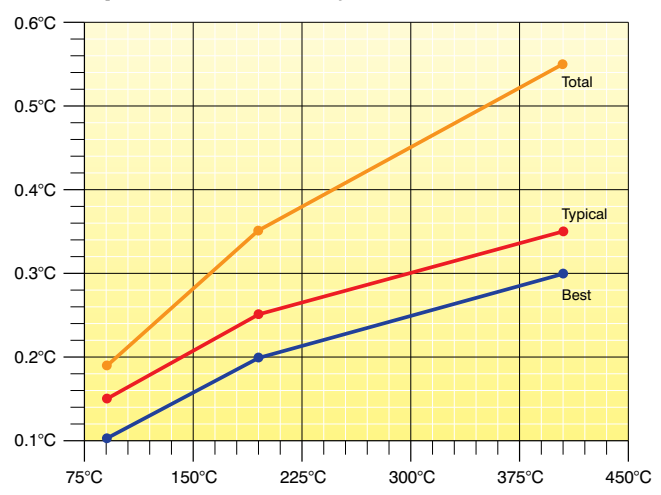
Specify Model, Supply Voltage and Accessories.

#### Apollo 1 Uncertainty



**Best** uncertainty - In the reference hole at the time of calibration  
**Typical** uncertainty - In the reference hole, including 1 year of normal use  
**Total** uncertainty - In the other 8mm diameter holes, including 1 year of normal use

#### Apollo 2 Uncertainty



**Best** uncertainty - In the reference hole at the time of calibration  
**Typical** uncertainty - In the reference hole, including 1 year of normal use  
**Total** uncertainty - In the other 8mm diameter holes, including 1 year of normal use

### Calibration and Uncertainty

A UKAS calibration certificate is included as standard.

The Apollo meets the Calibration Capacity requirements of EURAMET/cg-13/v.01, "Guidelines on the Calibration of Temperature Block Calibrators".

## Options for Apollo 1 & 2

#### Customer Specified Temperatures

Select Five Points between 35°C and 400°C.

Point	Nominal Temperature Value
1	<input type="text"/>
2	<input type="text"/>
3	<input type="text"/>
4	<input type="text"/>
5	<input type="text"/>



#### Carrying Case

**931-22-64** Sturdy case accommodates the unit with room for accessories