

# Dry Block Calibrators Apollo 1 & 2

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

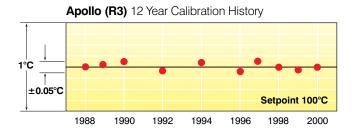
The Apollo Dry Block range offer a complete self contained and simple solution for the checking and calibrating of temperature sensors. The sensors under test are placed in the large block and one of the five preset temperatures is selected, the temperature from the sensor is then recorded against the 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.

Apollo 1	37°C	65°C	100°C	121°C	130°C
Apollo 2	100°C	150°C	200°C	250°C	300°C





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

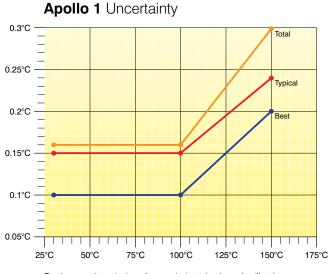
Apollo 1	Apollo 2
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
√	✓
	Apollo 1



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	Width	302mm 176mm 262mm			
Weight	9.	5kg			

### How To Order

Specify Model, Supply Voltage and Accessories.



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

Т

225°C

300°C

Т

450°C

375°C

### **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".

0.1°C

75°C

150°C

## Options for Apollo 1 & 2

### **Customer Specified Temperatures**

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

Point	Nominal Temperature Value	;
1		
2		
3		
4		
5		



### **Carrying Case**

931-22-64

Sturdy case accommodates the unit with room for accessories