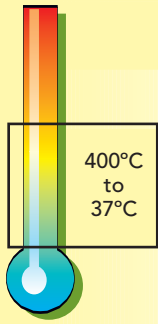


Apollo 1 & 2

Dry Block Calibrator



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 (formerly NAMAS) 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.

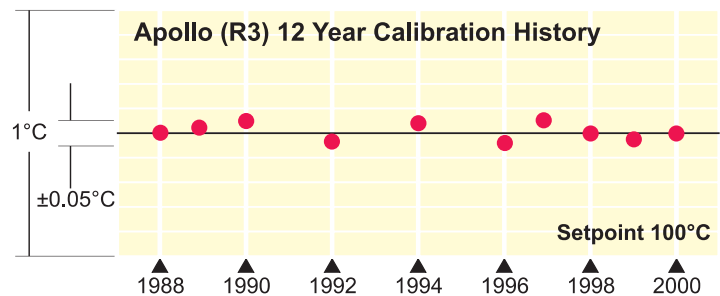
The Apollo is widely used as a reference standard in hospitals, local government and food industries etc. The Apollo has been developed from Isotech's very first dry block and has a long history of successful use. See the calibration history chart of a typical bath.

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 over 12 years is $\pm 0.05^\circ\text{C}$ and all values fall comfortably within the uncertainty band, 0.15°C



Key Features

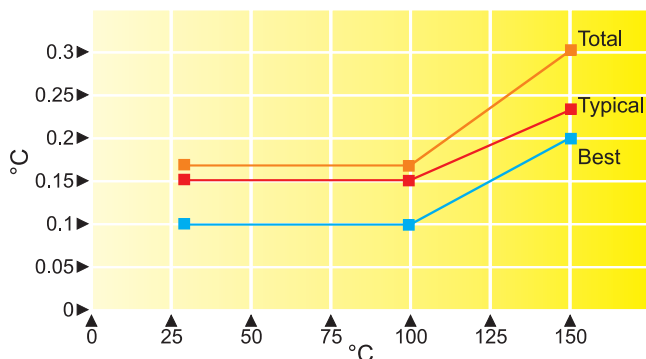
- Easy to use temperature reference, self contained no further equipment necessary.
- High Capacity Block.
- Gold Plated Selector Switch.
- Exceptionally Low Drift.
- Includes UKAS Certificate as Standard.
- Option for customer specified preset temperatures in the range 35°C to 400°C .



Apollo 1 & 2

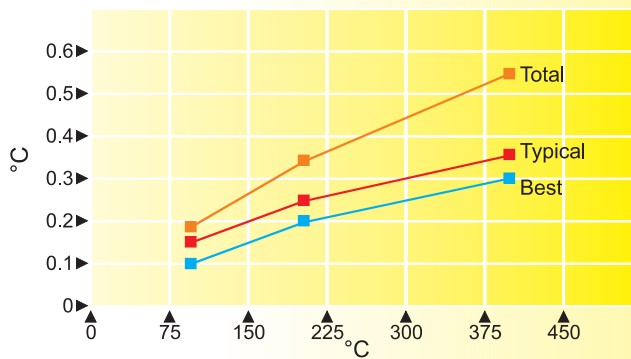
Dry Block Calibrator

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

Options

Customer Specified Temperatures Select Five Points between 35 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

Model No. APOLLO 1 & APOLLO 2

Temperature Range
 APOLLO 1 37, 65, 100, 121, 130°C
 APOLLO 2 100, 150, 200, 250, 300°C

Absolute stability over 30 minutes
 At 100°C ±0.02°C

Cools from
 Apollo 1 Apollo 2
 130°C to 65°C 70 minutes N/A
 300°C to 100°C N/A 160 minutes

Heats from
 Apollo 1 Apollo 2
 37°C to 130°C 20 minutes N/A
 100°C to 300°C N/A 30 minutes

Uncertainties Refer to Uncertainties Graph

Calibration volume Four 8mm pockets, 160mm deep and four 19.5mm pockets, 160mm deep

Display LED indicator of At Temperature Under Temperature and Over Temperature

Power 100 to 120V (50 / 60 Hz) or 200 to 240V (50 / 60 Hz)
 500 Watts

Overall dimensions
 Height 302mm
 Width 176mm
 Depth 262mm

Weight
 Apollo 1 9.5kg
 Apollo 2 9.5kg

How to Order
 Apollo 1 or Apollo 2
 Please specify model type required
 Please specify voltage required
 Please specify options required

Calibration and Uncertainty

A UKAS calibration certificate is included as standard.

The Apollo meets the Calibration Capacity requirements of EA-10/13, "EA Guidelines on the Calibration of Temperature Block Calibrators".