

GEMINI 700

High capacity portable calibration dry block, 50°C to 700°C

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Description

Gemini 700 is a portable calibration dry block for temperature thermometers from 50°C to 700°C. It has a high capacity to allowing a large number of probes to be calibrated together. They are also suitable to accept large diameter probes with the block volume of 65 x 160 mm.

Whilst the large block takes longer to heat and cool than other models, it can calibrate thermocouples, resistance thermometers, thermostats and sensors that are too large for the smaller blocks.

Gemini 700 comes with a fixed block of 4x 8 mm and 4x 19.5 mm holes. For removable block, see Gemini 700 LRI version.

Gemini 700 is available in two models, the BASIC (B) and the SITE (S).

The B model includes a sophisticated temperature controller with a dual display for set temperature and dry block temperature.

The S model additionally includes an in-built temperature digital indicator to which an external temperature sensor can be connected, giving greater accuracy eliminating temperature gradient and loading errors.

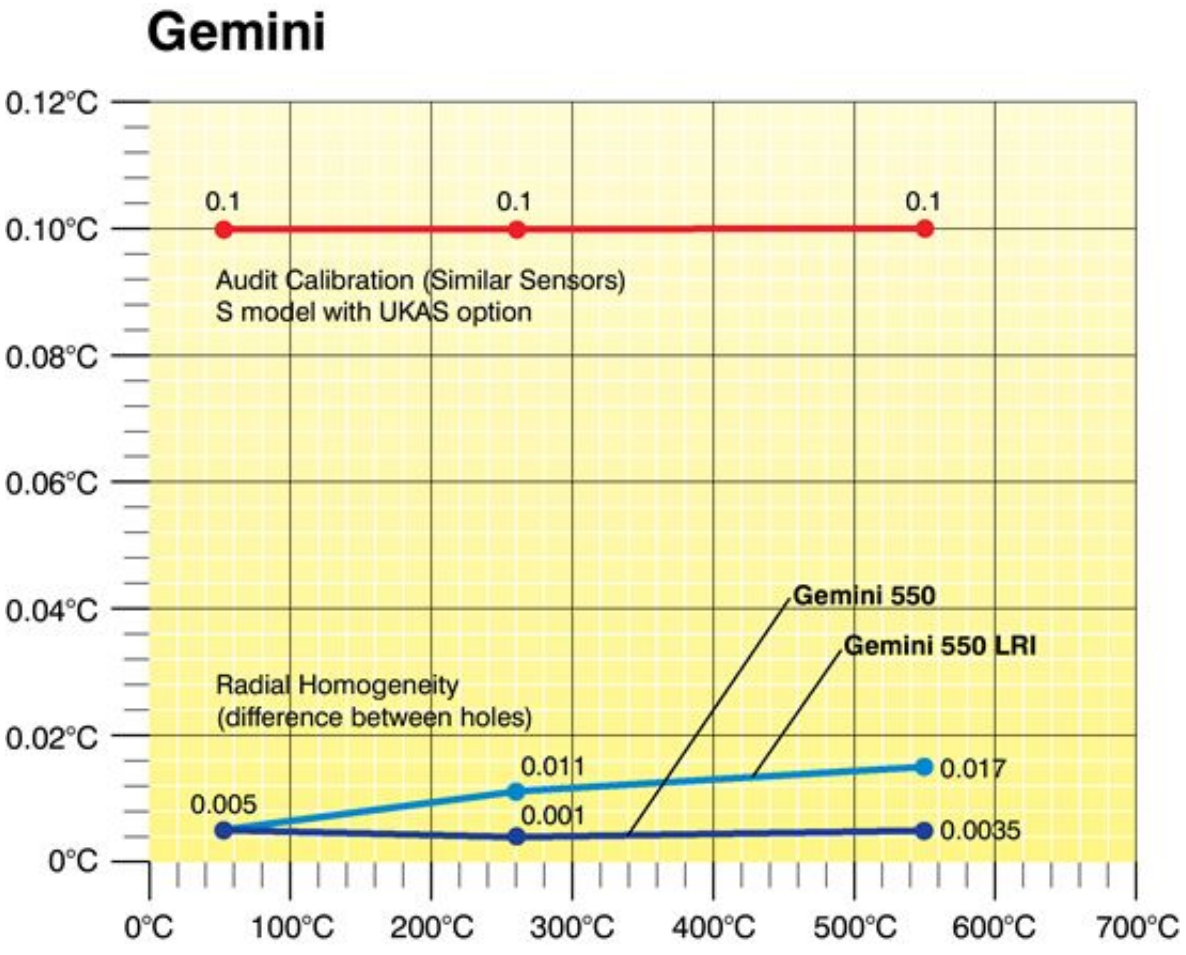
For laboratory accuracy, Gemini 700 can be used with high-end temperature indicator.

Key features:

- Large calibration volume: 64 x 160 mm depth
- Wide operating range: 50°C to 700°C
- High capacity block

Specifications

Temperature range	50°C to +700°C
Absolute stability over 30 min	±0.05°C at 250°C ±0.05°C at 550°C ±0.05°C at 700°C
Heating time	50°C to 700°C: 110 min
Performances	Refer to uncertainty graph below
Calibration volume	Fixed 4x 8 mm 4x 19.5 mm Depth: 160 mm



General specifications

Size	302 x 176 x 262 mm

Weight	14 kg
Display	Resolution: 0.01 to 99.99 and 0.1 to 100.0 / 650.0 Units: °C, °F, K
Power supply	100 / 120 V, 50/60 Hz or 200 / 240 V, 50/60 Hz 600 Watts
Communication ports	RS 232

Models and accessories

Instrument:

Gemini 700 B Portable dry block calibrator – Basic model

Delivered in standard with:

- Set of 4 bronze sleeves – optional single hole per sleeve: 4 / 6 / 8 / 10 / 12 / 14 mm, depth: 150 mm
- Cal Notepad software
- Serial communication cable
- User manual
- Traceable certificate

Gemini 700 S Portable dry block calibrator – On Site model

Delivered in standard with:

- Set of 4 Aluminium sleeves – optional single hole per sleeve: 4 / 6 / 8 / 10 / 12 / 14 mm, depth: 150 mm
- Cal Notepad software
- Serial communication cable
- User manual
- Traceable certificate
- Built-in digital indicator
- Connector for probe 935-14-72/DB
- Connector for probe 935-14-63

Metal block bath:

Mixed Set of 4 bronze sleeves – optional single hole per sleeve: 4 / 6 / 8 / 10 / 12 / 14 mm, depth: 150 mm

857-07-02 Set of 4 bronze sleeves – blank

857-07-04 One bronze sleeve with 2x 4.5 mm holes, depth: 150 mm

935-14-72/DB Semi standard platinum resistance thermometer Pt100

935-14-63 Type N thermocouple – 35°C to 700°C

UKAS 5 point comparison calibration

Other accessories:

931-22-64 Carrying case

Packing information:

Size 302 x 176 x 262 mm

Weight without packing 14 kg