GEMINI 550

High capacity portable calibration dry block, 35°C to 550°C – Fixed block

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Description

Gemini 550 is a portable calibration dry block for temperature thermometers from 35°C to 550°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 550 comes with a fixed block of 4x 8 mm and 4x 19.5 mm holes. For removable block, see Gemini 550 LRI version.

Gemini 550 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.

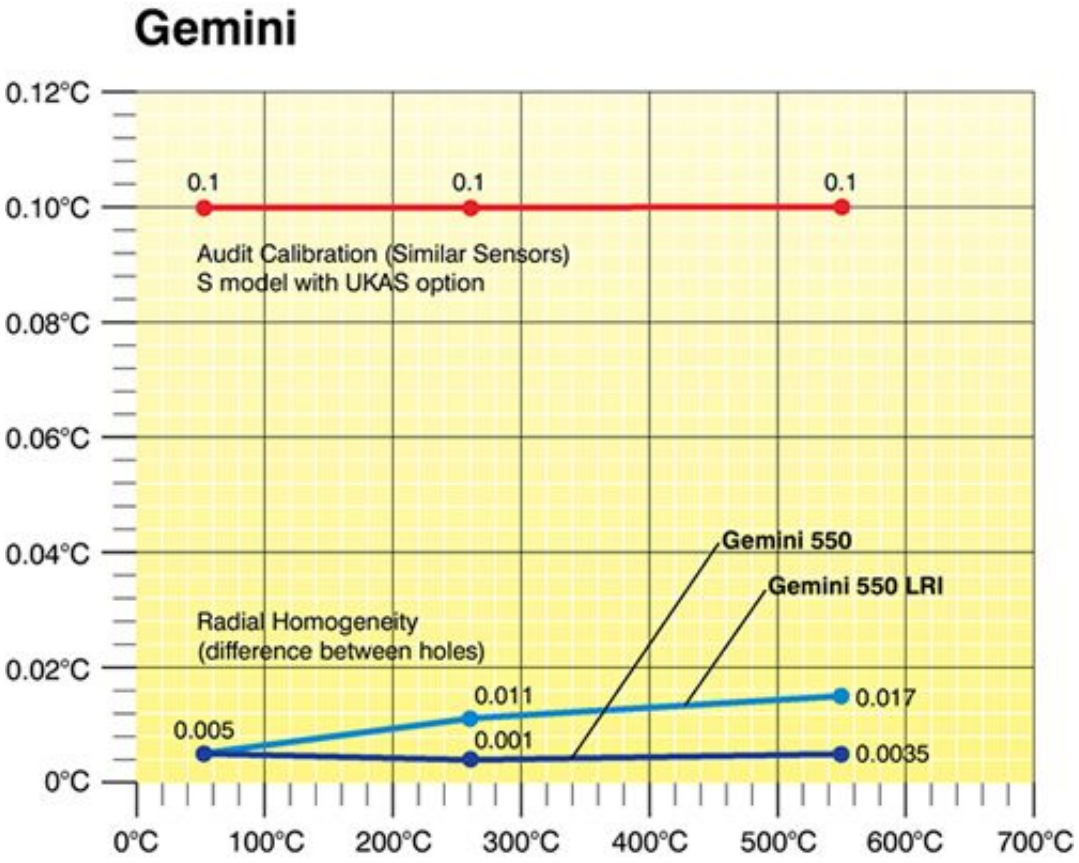
For laboratory accuracy, Gemini 550 can be used with high-end temperature indicator.

Key features:

- Large calibration volume: 64 x 160 mm depth
- Wide operating range: 35°C to 550°C
- High capacity block

Specifications

Temperature range	35°C to +550°C
Absolute stability over 30 min	±0.05°C at 35°C ±0.05°C at 250°C ±0.05°C at 550°C
Cooling time	550°C to 275°C: 35 min 550°C to 60°C: 345 min
Heating time	30°C to 550°C: 35 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	8.5 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 550 B Portable dry block calibrator – Basic 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

Gemini 550 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

Metal block bath:

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

857-07-01 Set of 4 Aluminium sleeves – blank

857-07-03 One Aluminium sleeve with 2x 4.5 mm holes, depth: 150 mm

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

UKAS 5 point comparison calibration

Other accessories:

931-22-64 Carrying case

Packing information:

Size 302 x 176 x 262 mm

Weight without packing 8.5 kg