



35 to 660°C

Dry Block Calibrator Jupiter

- Wide Operating Range to 660°C
- Fast Response
- Calibrate Whole Measurement Loop

The Jupiter Dry Block range offers industry-leading performance in an easy to use portable package - ideal for the calibration of thermocouples and platinum resistance thermometers. It has been designed for fast heating and cooling for convenient field use. For flexibility surface sensor and infrared thermometer accessories can be added.

The standard insert can hold up to six thermometers. For larger blocks see the Gemini range.

These award winning calibrators are easy to use and are available in three versions – the Basic, the Site and the ADVANCED. The Basic has a digital display of set and nominal temperature, the Site additionally includes an in-built independent temperature indicator for a reference probe. The ADVANCED controller has inputs for reference and test thermometers with a further range of sophisticated features including automatic temperature cycling, secure data logging and full colour high resolution display.

Isotech is a world leader in temperature calibration, providing many nations with their Primary Standards and operates a full scale UKAS accredited calibration laboratory. We can offer a range of calibration options to meet your requirements.

Benefit from our experience and understanding in calibration at all levels, our evaluation reports, our tutorials and uncertainty calculations.

These models meet the calibration capacity requirements of EURAMET/cg-13/v.01, "EA Guidelines on the Calibration of Temperature Block Calibrators, formerly EA10/13.

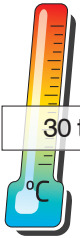
All models include I-Cal Easy LOG software and the



<http://www.isotech.co.uk/industrial/>

ADVANCED models additionally include software to manage logged data and configure the unit, see page 14 for more details.





30 to 700°C

Dry Block Calibrator 510 Medusa & 511 Medusa 3

- 45 x 285mm Calibration Volume
- Use for Comparison and Fixed Point Calibration
- Use with very long thermometers

Isotech have a wide range of Dry Blocks to suit probes requiring a large immersion depth. These products feature large and deep calibration volumes. As such they are less portable than the earlier Dry Blocks, but have higher capacities and retain outstanding temperature uniformity, this uniformity is so good that these larger products are also apparatus for Secondary Laboratories to realize the Fixed Points of ITS-90.

Medusa 510 has a maximum operating temperature of 550°C. The Medusa Model 511 can be used to 700°C and features three zone control. In addition to the main heating zone there are additional top and bottom heaters which compensate for the end losses creating a constant temperature zone across the well.

For Comparison Calibration the Medusa should be used with an insert, the standard insert has six 8mm pockets 250mm deep. Also available is an insert 44mm diameter x 170mm deep which is suspended from the top of the block so that the height is user adjustable. For flexibility the Medusa can also be used with accessories for infrared thermometers and surface sensors. The Medusa 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 includes a built-in digital thermometer to which an external standard thermometer can be connected giving greater accuracy, eliminating temperature gradient and loading errors. Also included in the site model is a timer which can set the bath between two temperatures, and automate ITS-90 fixed point operation. For Surface Sensor and Blackbody use an external thermometer is recommended. For laboratory accuracy the Medusa can be used with a high-end temperature indicator such as an Isotech TTI model.

Includes as standard: Windows Software, Computer Interface and a Ramp to Set Point Feature. Increased resolution of ± 0.01 available throughout the range via the PC interface and from 0.01 to +99.99 locally on the auto-ranging front display. The controller features multi-point block to display correction giving good absolute accuracy.

The S model has universal sensor input allowing Platinum Resistance Thermometers, Thermocouples (types K, N, R, S, L, B, PL2, T, J and E) along with Linear Process Inputs including 4-20mA current transmitters to be displayed on the in-built indicator. The indicator can be programmed with up to five calibration points to provide high accuracy digital probe matching. The indicator and controller are both addressable over the communications link.



Fixed Point Cells Available

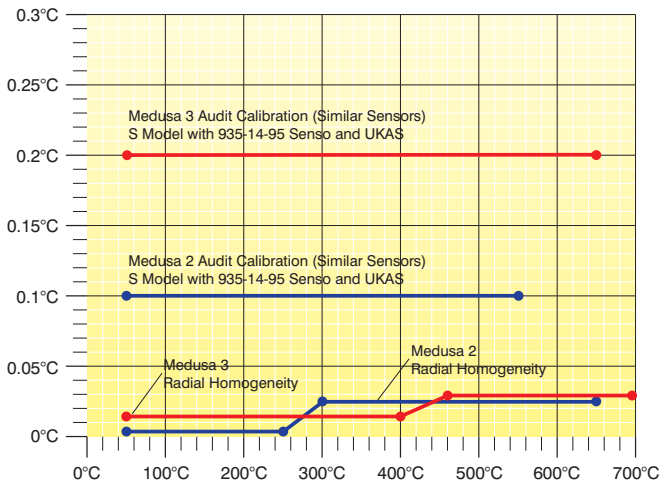
Material	Temperature
Gallium	29.7646°C
Indium	156.5985°C
Tin	231.928°C
Zinc	419.527°C
Aluminium	660.323°C

Specification

Model	510 Medusa	511 Medusa 3
Temperature Range	30°C to 550°C	50°C to 700°C
Absolute stability over 30 minutes	Metal Block Bath Blackbody Source Surface Sensor Calibrator ITS-90 Fixed Point	±0.03°C ±0.1°C ±0.5°C ±0.001°C
Computer Interface	Included with Software	
Cools from	550°C to 30°C in 5 hours	
Heats from	30°C to 550°C in 90 minutes	
Uncertainties	Refer to Uncertainties Graph	
Calibration volume	45mm diameter by 285mm deep	
Standard Insert	Six 8mm pockets all 250mm deep	
Display Resolution	(0.01) to 99.99 (0.1) 100.0 to 650.0 PC can display 0.01 across whole range with the software included	
Indicator units	°C, °F, K	
Power	108 to 130V or 208 to 240V 1000 Watts	50 / 60Hz 1800 Watts
Overall dimensions	Height 430mm Width 310mm Depth 300mm	
Weight	17kg	25kg

Performance and Use

510 Medusa



Calibration and Uncertainty

A certificate, traceable to National Standards, is included as standard. Recommended is an optional UKAS five-point calibration.

The accuracy of the Medusa will depend very much on the mode of use, see the Uncertainty Graph for typical uncertainties. NTPL calculate the uncertainties to UKAS requirements. The Medusa meets the Calibration Capacity requirements of EA-10/13, "EA Guidelines on the Calibration of Temperature Block Calibrators."

Features (Basic & Site)

- Dry Block
- Surface Sensor Option
- Infrared Calibration Option
- ITS-90 Fixed Point Cells
- Additional 8mm Pre-heat Pocket
- Configurable Units: °C, °F and K
- Supply Voltage Power Correction

Medusa

✓
✓
✓
✓
✓
✓
✓

Additional Features (Site)

- Independant Temperature indicator
- Universal Input Types PT100
- Thermocouples Types K,N,R,S,L,PL2,T,J,E
- Linear Process Inputs Including 4-20 mA
- Stand Alone Thermostat Testing
- Thermostat Testing With PC
- Five Point Digital Probe Matching
- Configurable Units: °C, °F and K

Medusa

✓
✓
✓
✓
✓
✓
✓
✓

510 Medusa & 511 Medusa 3

Calibrate all sensor types - Thermocouples, PRT's, Thermistors, Thermostats, Infrared, Surface Sensors...



510 Metal Block Insert

510-06-01 Standard Insert included

510-06-02 Blank Insert without pockets for local machining

510-06-03 Special Insert. Contact Isotech with your requirements

510-06-04 Adjustable Equalising Block



511 Metal Block Insert

511-06-01 Standard Insert Included

511-06-02 Blank Insert without pockets for local machining

511-06-03 Special Insert. Contact Isotech with your requirements

511-06-04 Adjustable Equalising Block



Blackbody Kit

510-06-05 For 510. Includes a Blackbody target and Sensor.

511-06-05 For 511. Includes a Blackbody target and Sensor.



510 Surface Sensor Calibration with Surface Sensor Kit

510-06-06 Includes an insert and an angled thermocouple.

511 Surface Sensor Calibration with Surface Sensor Kit

511-06-06 Includes an insert and an angled thermocouple.



ITS-90 Fixed Point Cells

ITL17401M Gallium Slim Cell (510)

ITL17668ML Indium Slim Cell

ITL17669ML Tin Slim Cell

ITL17671ML Zinc Slim Cell

ITL17672ML Slim Aluminium Cell (511)

510-05-00 Cell Basket for 510

510-05-01 Cell Basket for 511



UKAS Calibration

UKAS Calibration available to order, legally traceable in more than 70 countries.



Standard Probe

935-14-95H/DB Platinum Resistance Thermometer for use up to 650°C.



Carrying Case

931-22-58 Sturdy case accommodates the unit with room for accessories

How To Order

Specify Model, Basic or Site, Supply Voltage, Accessories and if UKAS Calibration is required.



150 to 1200°C

Dry Block Calibrator Pegasus

- High Temperature Thermocouple Calibration Furnace
- Custom Furnace Design with Optimised Profile
- Calibrate Whole Measurement Loop

The Pegasus range offers extreme high temperature calibration in an easy to use portable package - ideal for the calibration of high temperature thermocouples. It has been designed for fast heating and finds applications in the glass, electrical power, automotive and material processing industries.

A Blackbody target can be added for the calibration of infrared thermometers.

The standard insert has four 8mm pockets 80mm deep. The metal insert is strategically placed beneath 50mm of insulation to provide optimal performance over the radiant temperature range.

The optional Blackbody target is used with a specially angled Type R thermocouple that sits immediately behind the target area.

These award winning calibrators are easy to use and are available in three versions – the Basic, the Site and the ADVANCED. The Basic has a digital display of set and nominal temperature, the Site additionally includes an in-built independent temperature indicator for a reference probe. The ADVANCED controller has inputs for reference and test thermometers with a further range of sophisticated features including automatic temperature cycling, secure data logging and full colour high resolution display.

The B model should be used with an external reference probe and indicator, such as the milliK. The thermocouples



under test should be calibrated by comparison to the external probe.

All models include I-Cal Easy LOG software and the ADVANCED models additionally include software to manage logged data and configure the unit, see page 14 for more details.



UKAS Calibration available for these systems - *International Traceability - Best Practice* See page 14



Parameter	Model
	Pegasus 4853
<i>Temperature Range</i>	150°C to 1200°C
ADVANCED Range	
<i>Stability</i>	±0.05°C @ 150°C ±0.08°C @ 1200°C
<i>Display Resolution</i>	0.01°C over whole range
<i>Input Channel Accuracy: Thermocouple</i>	E,J,K,N: ±0.2°C @ 660°C R: ±0.6°C S: ±0.7°C @ 660°C T ±0.2°C @ 150°C
<i>CJC Accuracy</i>	±0.35°C
<i>Input Channel Accuracy: RTD</i>	±0.05°C ±0.005% RDG
BASIC / SITE Range	
<i>Stability</i>	±0.1°C @ 150°C ±0.2°C @ 1200°C
<i>Display Resolution</i>	0.1°C from 150°C to 999.9°C then 1°C: 0.01°C Over PC Interface
COMMON Specifications	
<i>Blackbody Source</i>	±0.3°C
<i>Cools from 1200°C to 800°C</i> <i>1200°C to 200°C</i>	in 50 minutes* in 180 minutes* *substantially reduced by the cooling adaptor
<i>Heating Rate</i>	25°C / minute
<i>Best Performance</i>	See Graph
<i>Calibration volume</i>	33.5mm diameter by 130mm deep
<i>Standard Insert</i>	4 x 8mm Pockets all 80mm deep + 50mm top insulator
<i>Indicator units</i>	°C, °F, K
<i>Power</i>	115Vac or 230Vac (50 / 60 Hz) 800 Watts
<i>Dimensions</i>	384H (including handle) x 212W x 312D mm
<i>Weight</i>	13kg

	ADVANCED	SITE	BASIC
<i>Digital Display of Set and Nominal Block Temperature</i>	Yes	Yes	Yes
<i>PC Interface</i>	Ethernet + USB Host	Serial	Serial
<i>Test Thermostats</i>	Yes - Two Inputs	Yes - Single Input	No
<i>Independent Temperature Indicator for Reference Probe</i>	Yes	Yes	No
<i>Additional Inputs for Units Under Test</i>	Up to 3: Two universal inputs for PRT, Thermocouple or Process inputs and a further Thermocouple input	No	No
<i>Automatic Temperature Cycling</i>	Yes	No	No
<i>Data Logging</i>	Yes - Export to USB	No	No
<i>Offset Elimination</i>	Yes - block can follow reference input	No	No
<i>Choose English, French, Italian or Spanish Language</i>	Yes - on full colour display	No	No
<i>In Built Web Server</i>	Yes	No	No
<i>Tamper Proof Data</i>	Yes - Suitable for life science, automotive and aerospace applications	No	No

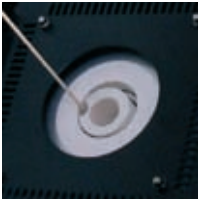
Dry Blocks

HIGH TEMPERATURE



Metal Block Bath

The Pegasus includes an insert suitable for high temperature calibration of thermocouples.



Blackbody Source

Add the Blackbody accessory to allow calibration of infrared thermometers.



Pegasus Accessories



Metal Block Insert

Standard Insert Included
Four 8mm pockets. Pocket depth 80mm + 50mm insulator. Effective depth 130mm.
853-06-02 Blank Insert
Insert without pockets for local machining
853-06-02b Custom Insert
Contact Isotech with your requirements



Blackbody Kit **853-06-03**

Includes a Blackbody target and Sensor



Calibration

Includes three point traceable calibration certificate for block temperature

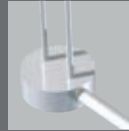
UKAS Calibration

Recommended: Options for block temperature and reference thermometer inputs (simulation). Legally traceable in more than 70 countries.



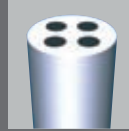
Standard Probe **935-14-91**

Type R Platinum Thermocouple for use up to 1200°C.



Air Cooling **853-04-02**

For use with a compressor this accessory allows air to be blown into the block for rapid cooling.



Ceramic Insulators **853-06-04**

Spare insulation pack Includes 2 x standard tops and 2 x standard bottoms.



Current Loop Interface **935-06-161**

24VDC Power Supply and Terminal Box. Powers 4-20mA Current Transmitters with 4mm terminal posts for easy connection.



Carrying Case **931-22-111**

Sturdy case with room for accessories. Features wheels and pull out handle.

The world's leading National Metrology Institutes choose Isotech - shouldn't you?

Pegasus Benefits

The Pegasus features a small tube furnace to allow operation to 1200°C in a portable case. With a ceramic furnace construction temperature gradients are larger than with lower temperature metal blocks.

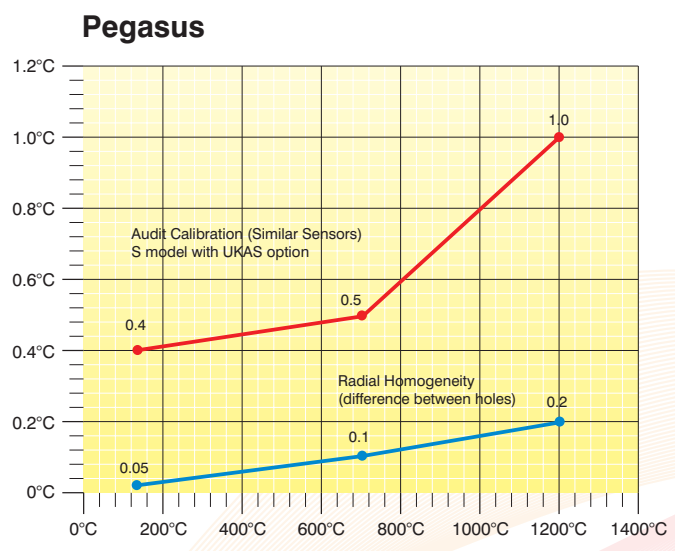
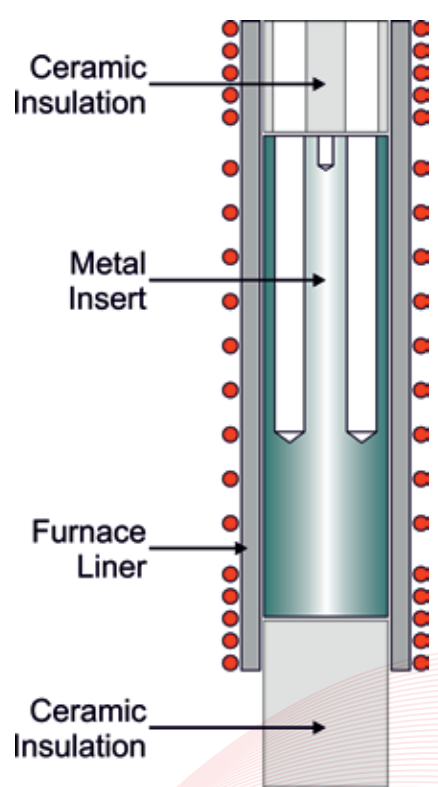
The Isotech furnace benefits by using a specially wound furnace tube assembly. They are manufactured in our factory with the turns concentrated at the ends of the furnace, where the heat losses are greatest. This gives an

improved temperature profile and lower uncertainty.

Insulators are provided for the top and bottom of the furnace which further improve temperature uniformity.

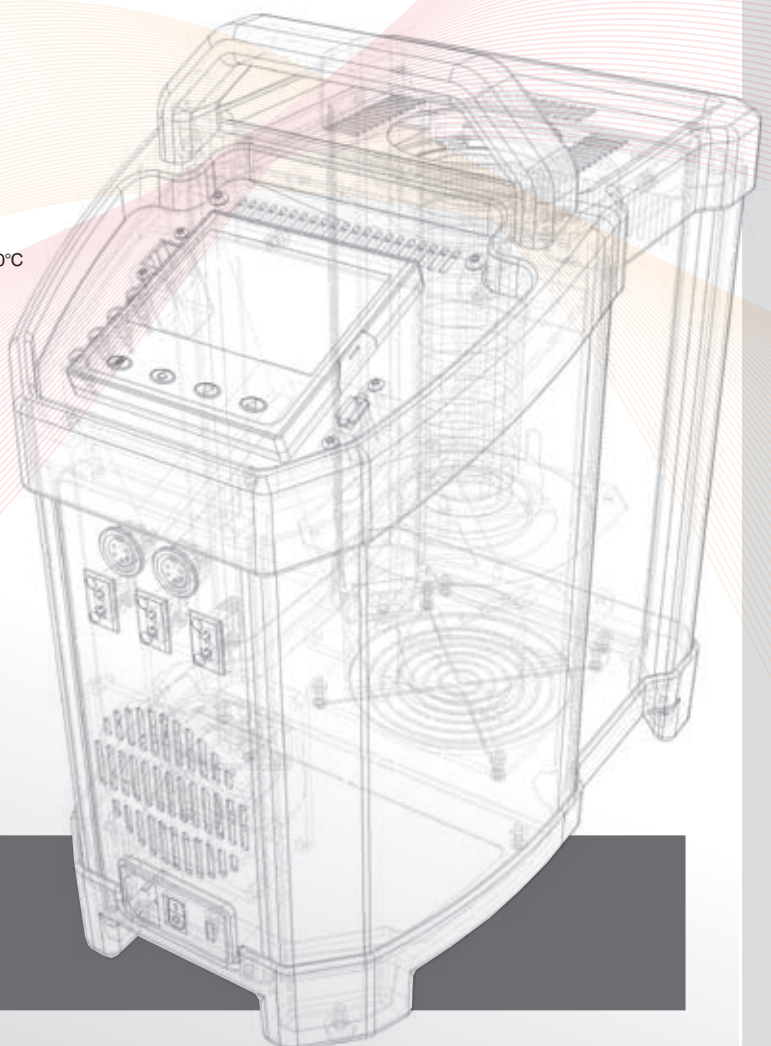
The effective immersion depth is 130mm, 80mm in the metal insert and then a further 50mm in the furnace tube.

Benefit from Isotech's design and experience



- Audit Calibration (Similar Sensors)
- Radial Homogeneity

See Evaluation Reports for full details
<http://www.isotech.co.uk>



How To Order

- 1 - Select Desired Options and Accessories
- 2 - Supply Voltage:
Specify either 115Vac 50/60hz or 230Vac 50/60Hz



35 to 700°C

Dry Block Calibrator Gemini

- Calibrate Large Diameter Probes
- High Capacity Blocks 64 x 160mm
- Calibrate Whole Measurement Loop

The Gemini range of Dry Blocks have high capacity allowing a large number of probes to be calibrated together. They are also suitable to accept large diameter probes with the block volume of a nominal 64 x 160mm.

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

These award winning calibrators are easy to use and are available in three versions – the Basic, the Site and the ADVANCED. The Basic has a digital display of set and nominal temperature, the Site additionally includes an in-built independent temperature indicator for a reference probe. The ADVANCED controller has inputs for reference and test thermometers with a further range of sophisticated features including automatic temperature cycling, secure data logging and full colour high resolution display.

All models include I-Cal Easy LOG software and the ADVANCED models additionally include software to manage logged data and configure the unit, see page 14 for more details.

Available with a fixed block with four 8mm and four 19.5mm pockets or the LRI version which has a removable block. With the LRI model, blocks can be drilled to custom configurations.

Isotech is a world leader in temperature calibration, providing many nations with their Primary Standards and operates a full scale UKAS accredited calibration laboratory. We can offer a range of calibration options to meet your requirements.



<http://www.isotech.co.uk/industrial/>

These models meet the calibration capacity requirements of EURAMET/cg-13/v.01, "EA Guidelines on the Calibration of Temperature Block Calibrators, formerly EA10/13.



Parameter	Model: Gemini 4857	
	550	700
Temperature Range	35°C to 550°C	50°C to 700°C
ADVANCED Range		
Absolute Stability over 30 mins	±0.01°C @ 100°C ±0.015°C @ 300°C ±0.03°C @ 550°C	
Display Resolution	0.01°C over whole range	
Accuracy: RTD Input Channel	±0.05°C ±0.005% RDG	
Accuracy: Thermocouple Input Channel	E,J,K,N: ±0.2°C @ 660°C R: ±0.6°C S: ±0.7°C @ 660°C T ±0.2°C @ 150°C	
CJC Accuracy	±0.35°C	
BASIC/SITE Range		
Absolute Stability over 30 mins	±0.02°C @ 50°C ±0.03°C @ 250°C ±0.04°C @ 550°C	
Display Resolution	0.01°C from 30.00 to 99.99°C then 0.1°C: 0.01°C Over PC Interface	
COMMON Specifications		
Display Accuracy ¹	0.5°C	
Cools from 550°C to 275°C from 550°C to 60°C	35 mins (LRI: 132 mins) 345 mins (LRI: 420 mins)	- -
Heats from 30°C to 550°C from 50°C to 700°C	35 mins (LRI: 60 mins) -	- 110 mins (LRI: 120 mins)
Best Performance	See Graph	
Calibration volume	65mm diameter x 160mm deep	
Indicator units	°C, °F, K	
Voltage	115Vac or 230Vac 50/60Hz	
Power	600 Watts (LRI: 1000 Watts)	
Dimensions	384H (including handle) x 212W x 312D mm	
Weight	8.5kg	14kg

(1) Dry Block Mode only: Comparing 6.5mm Well to Display Value.

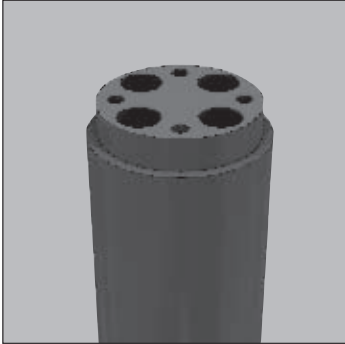
	ADVANCED	SITE	BASIC
Digital Display of Set and Nominal Block Temperature	Yes	Yes	Yes
PC Interface	Ethernet + USB Host	Serial	Serial
Test Thermostats	Yes - Two Inputs	Yes - Single Input	No
Independent Temperature Indicator for Reference Probe	Yes	Yes	No
Additional Inputs for Units Under Test	Up to 3: Two universal inputs for PRT, Thermocouple or Process inputs and a further Thermocouple input	No	No
Automatic Temperature Cycling	Yes	No	No
Data Logging	Yes - Export to USB	No	No
Offset Elimination	Yes - block can follow reference input	No	No
Choose English, French, Italian or Spanish Language	Yes - on full colour display	No	No
In Built Web Server	Yes	No	No
Tamper Proof Data	Yes - Suitable for life science, automotive and aerospace applications	No	No



UKAS Calibration available for these systems - *International Traceability - Best Practice* See page 14

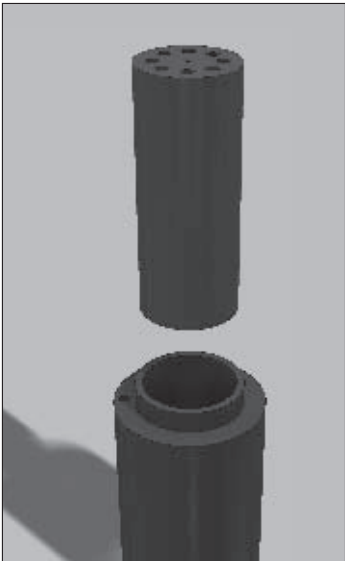
Dry Blocks

LARGE VOLUME



Gemini Fixed Block

Four 8mm Pockets
Four 19.5mm Pockets

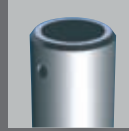


Gemini LRI Removable Block

Eight 8mm Pockets
Can be custom drilled



Gemini Accessories



Metal Block Sleeves

Gemini 550

Set of four Sleeves to suit the block. Optional single hole sizes 4, 6, 8, 10, 12, 14mm diameter all 150mm deep.

857-07-01 Undrilled sleeves for local machining.

857-07-03 1 sleeve with 2 holes 4.5mm x 150mm deep.

Gemini 700

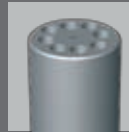
Set of four Sleeves to suit the block. Optional single hole sizes 4, 6, 8, 10, 12, 14mm diameter all 150mm deep.

857-07-02 Blank sleeves for local machining.

857-07-04 1 sleeve with 2 holes 4.5mm x 150mm deep.

Note: The use of sleeves will introduce an additional thermal gradient into the block. This can be avoided by using the LRI model with a block drilled for specific probes.

Removable Inserts



Gemini 550 LRI

976-07-01a Included as Standard Removable insert with eight 8mm pockets

976-07-01b Blank Insert

Insert without pockets for local machining

976-07-01c Custom Insert

Contact Isotech with your requirements



Gemini 700 LRI

976-07-02a Included as Standard Removable block with eight 8mm pockets

976-07-02b Blank Insert

Insert without pockets for local machining

976-07-02c Custom Insert

Contact Isotech with your requirements



Calibration

Includes three point traceable calibration certificate for block temperature

UKAS Calibration

Recommended: Options for block temperature and reference thermometer inputs (simulation). Legally traceable in more than 70 countries.



Current Loop Interface

935-06-161 24VDC Power Supply and Terminal Box. Powers 4-20mA Current Transmitters with 4mm terminal posts for easy connection.



Standard Probe

935-14-72/DB Platinum Resistance Thermometer for use up to 650°C.

935-14-63 Type N Thermocouple for use up to 700°C.



Carrying Case

931-22-111 - Gemini 550 / 700

931-22-112 - Gemini 550 LRI / 700 LRI

Sturdy case with room for accessories. Features wheels and pull out handle.

The world's leading National Metrology Institutes choose Isotech - shouldn't you?

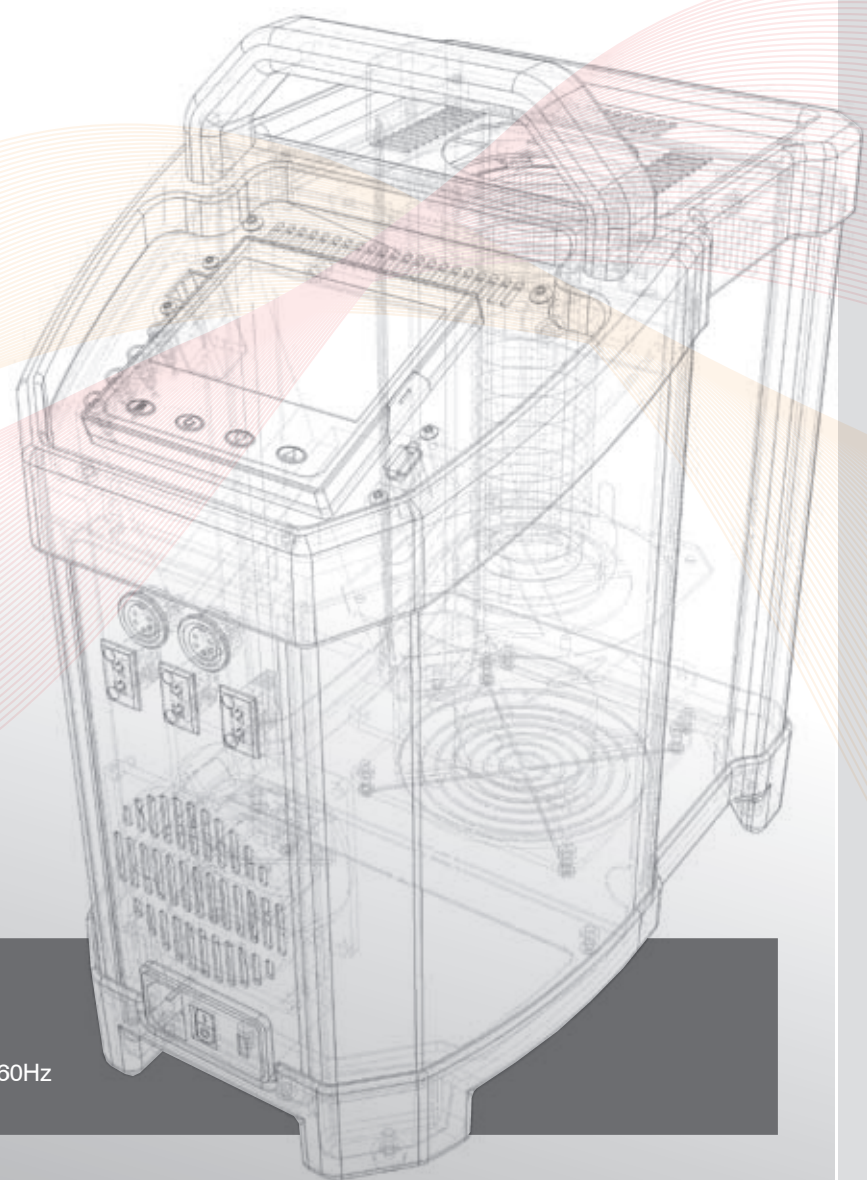
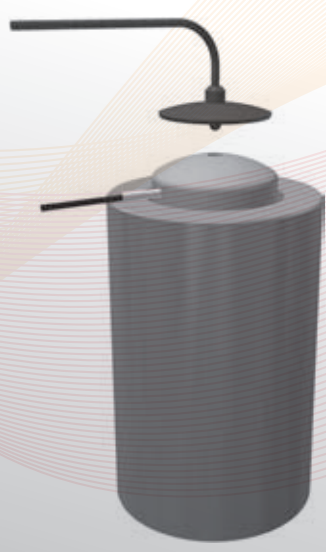
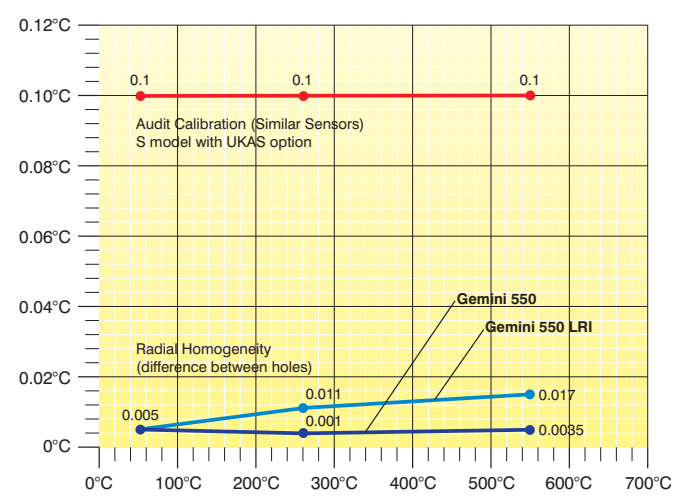
Isotech manufacture the widest range of temperature calibration equipment from hand held thermometers to Primary Standards. With Isotech solutions you can expand your equipment no matter what the requirement.

Isotech have been pioneering the latest developments in Temperature Metrology for more than 30 years, benefit from our know how, experience and global network.

Gemini Benefits

- The Gemini has a large block with sufficient mass to accommodate larger sensors or a larger number of sensors. The fixed block has four 19.5mm pockets and four 8mm pockets.
- The LRI model with its removable block can be custom drilled. Whilst the larger block takes longer to heat than the fast response models they do allow larger probes to be accommodated and can be used with custom blocks to simulate applications, allowing probes that would otherwise be unsuitable for Dry Block calibration to be evaluated.

Gemini



How To Order

- 1 - Select Desired Options and Accessories
- 2 - Supply Voltage:
Specify either 115Vac 50/60hz or 230Vac 50/60Hz

Parameter	Model
	Jupiter 4852
Temperature Range	35°C to 660°C
ADVANCED Range	
Stability	±0.015°C @ 100°C ±0.025°C @ 650°C
Display Resolution	0.01°C over whole range
Accuracy: RTD Input Channel	±0.05°C ±0.005% RDG
Accuracy: Thermocouple Input Channel	E,J,K,N: ±0.2°C @ 660°C R: ±0.6°C S: ±0.7°C @ 660°C T ±0.2°C @ 150°C
CJC Accuracy	±0.35°C
BASIC/SITE Range	
Stability	±0.02°C @ 100°C ±0.03°C @ 650°C
Display Resolution	0.01°C from 30.00 to 99.99°C then 0.1°C: 0.01°C Over PC Interface
COMMON Specifications	
Display Accuracy ¹	0.5°C
Blackbody Source	±0.3°C
Surface Sensor Calibrator	±0.5°C
Cools from 650°C to 150°C	in 60 minutes
Heats from 30°C to 650°C	in 20 minutes
Best Performance	See Graph
Calibration volume	35mm diameter by 148mm deep
Standard Insert	6 pockets, 2 x 4.5mm, 2 x 6.4mm, 1 x 8.0mm, 1 x 9.5mm diameter, all 140mm deep
Indicator units	°C, °F, K
Power	115Vac or 230Vac 50/60Hz 1000 Watts
Dimensions	384H (including handle) x 212W x 312D mm
Weight	8.5kg

(1) Dry Block Mode only; Comparing 6.5mm Well to Display Value.

	ADVANCED	SITE	BASIC
Digital Display of Set and Nominal Block Temperature	Yes	Yes	Yes
PC Interface	Ethernet + USB Host	Serial	Serial
Test Thermostats	Yes - Two Inputs	Yes - Single Input	No
Independent Temperature Indicator for Reference Probe	Yes	Yes	No
Additional Inputs for Units Under Test	Up to 3: Two universal inputs for PRT, Thermocouple or Process inputs and a further Thermocouple input	No	No
Automatic Temperature Cycling	Yes	No	No
Data Logging	Yes - Export to USB	No	No
Offset Elimination	Yes - block can follow reference input	No	No
Choose English, French, Italian or Spanish Language	Yes - on full colour display	No	No
In Built Web Server	Yes	No	No
Tamper Proof Data	Yes - Suitable for life science, automotive and aerospace applications	No	No



UKAS Calibration available for these systems - *International Traceability - Best Practice* See page 14

Dry Blocks

FAST RESPONSE



Metal Block Bath

The Jupiter is supplied with an insert suitable for a wide range of sensors as standard.



Blackbody Source

Add the Blackbody accessory to allow calibration of infrared thermometers.

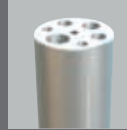


Surface Sensor Calibrator

The Jupiter can calibrate surface sensors by adding the surface sensor kit.



Jupiter Accessories



Metal Block Insert 852-07-11

Standard Insert included.
Size: 2 x 4.5mm, 2 x 6.4mm, 1 x 8mm and 1 x 9.5mm all 140mm deep

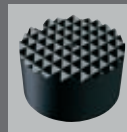
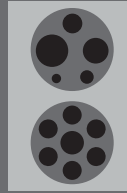
Alternative Inserts

852-09-03 Alternative Insert type B 13mm, 10mm, 8mm, 5mm and 3.5mm diameter holes, all 140mm deep

852-09-04 Alternative Insert type C 8mm, 6 x 6.5mm diameter holes, all 140mm deep

852-07-07 Blank Insert without pockets for local machining. Includes M4 tapped hole for supplied extractor tool.

852-07-07C Custom Insert. Isotech can provide custom drilled pockets, minimum of 3mm separation between holes. Contact Isotech with your requirements.



Blackbody Kit 852-09-05

Includes a Blackbody target and Sensor.



Surface Sensor Kit 852-07-15

Includes angled thermocouple.

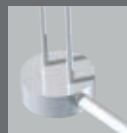


Calibration

Includes three point traceable calibration certificate for block temperature

UKAS Calibration

Recommended: Options for block temperature and reference thermometer inputs (simulation). Legally traceable in more than 70 countries.



Air Cooling 853-04-02

For use with an air supply this accessory allows air to be blown into the block for rapid cooling.



Standard Probe 935-14-72/DB

Platinum Resistance Thermometer for use up to 660°C. Probe diameter 6mm, recommended pocket size 6.5mm.



Current Loop Interface 935-06-161

24VDC Power Supply and Terminal Box. Powers 4-20mA Current Transmitters with 4mm terminal posts for easy connection.



Carrying Case 931-22-111

Sturdy case with room for accessories. Features wheels and pull out handle.

The world's leading National Metrology Institutes choose Isotech - shouldn't you?

Isotech manufacture the widest range of temperature calibration equipment from hand held thermometers to Primary Standards. With Isotech solutions you can expand your equipment no matter what the requirement.

Isotech have been pioneering the latest developments in Temperature Metrology for more than 30 years, benefit from our know how, experience and global network.

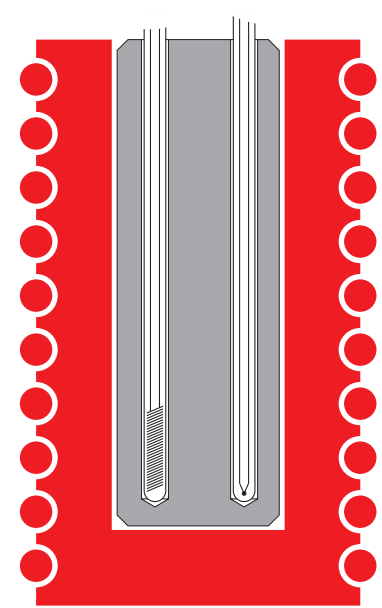
Jupiter Benefits

- The Jupiter calibration block features uniform heating with a custom wound heater over an extended length of the block. The block itself is made from copper which has a very high thermal conductivity; much

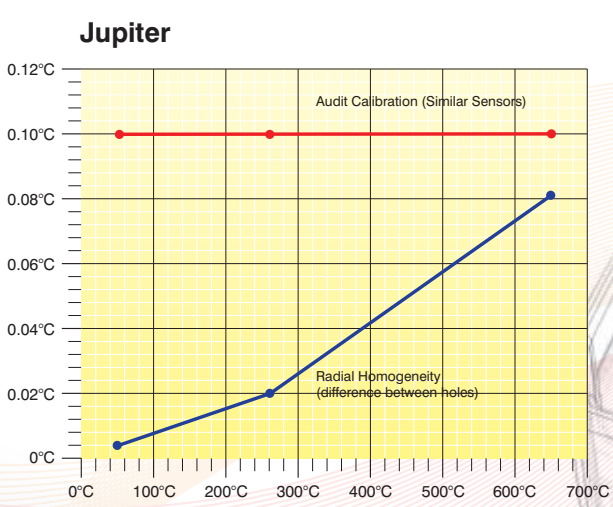
superior to the aluminium bronze alloys used elsewhere. A propriety process is used to protect the copper from oxidising. This combination of materials and expert knowledge delivers superior performance.

660°C Operation

- The Jupiter ADVANCED operates to a maximum of 660°C; matched to the upper limit of the high temperature Isotech Semi Standard Platinum Resistance Thermometers. This allows maximum accuracy with no risk to exceeding the temperature limit of the PRT. This gives greater accuracy than extending the range beyond 660°C and having to use an inferior thermometer or thermocouple.



Superior uniformity by using copper block with extended length heating



- Audit Calibration (Similar Sensors)
- Radial Homogeneity

See Evaluation Reports for full details
<http://www.isotech.co.uk>

How To Order

- 1 - Select Desired Options and Accessories
- 2 - Supply Voltage:
Specify either 115Vac 50/60hz or 230Vac 50/60Hz

