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Stirrers and Hotplates

Find the right product for your application needs

Stirrers and Hotplates

The power behind your research





The Isotemp™ and Isotemp Advanced Series deliver results with an extensive selection of hotplates, stirrers, and stirring hotplates. An impressive combination of reliable performance, advanced safety, and operational simplicity makes it easy to find the perfect instrument for your laboratory requirements. With multiple options at various price points you are sure to find the right product for your lab.

• Isotemp Stirring Hotplate



Isotemp Advanced Stirring Hotplate



Isotemp RT Advanced Stirring Hotplate



Exceptional performance

- Precise control for accuracy and reproducibility

Intelligent technology

- PT100 and PT1000 temperature probes

Dependable safety

- HOT TOP warning



Isotemp Series

Isotemp stirrers, hotplates and stirring hotplates are designed to provide precise stirring control, exceptional safety and temperature performance for your routine protocols. Available in three sizes, providing flexibility from microscale chemistries to production operations.

Advanced technology

- Slow-speed stirring, consistent speed control, and strong magnetic coupling
- Temperature adjustable in 1 degree increments
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F)
- Automatic over-temperature protection

Flexible, robust design

- Top plate choices in ceramic or aluminium
- Raised display design protects electronics from spills
- Optional temperature probe and splash guard protection shield
- Variable sizes for different sample volumes
- Stir bar is included with stirrer and stirring hotplate models



Isotemp Stirring Hotplate





Flexible features. Maximum benefits.

With a wide variety of features and options, the Isotemp Series, Isotemp Advanced Series, and Isotemp RT Series of hotplates, stirrers and stirring hotplates support all your applications – from basic stirring needs to the most precise high-temperature heating and control. Improve your process. Customise your workflow.



(L-R) Isotemp, Isotemp Advanced, Isotemp RT Advanced Series

Hotplates, stirrers, and stirring hotplates	Isotemp Series	Isotemp Advanced Series	Isotemp RT Advanced	Benefit
Safety				
Raised display	•	•	•	Guides any spilled liquids away from electronics and controller
HOT TOP warning indicator	•	•	•	Visual warning system designed to help prevent burns even when unit is turned off but still plugged in
Timer		•	•	Allows for untended operation
Over-temperature protection	•	(User-Adjustable)	(User-Adjustable)	Prevents overheating, short circuiting and internal damage in case of overflow protecting samples
Optional splash guard	•	•	•	Shield provides a protective barrier to guard vessels
Keypad lock			•	Security
Removable power cord	•	•	•	Convenience
Control				
Digital RPM display	•	•	•	For more accurate stirring
Digital temperature display	•	•	•	For more accurate heating
Programmability		•		Convenience and time savings for repeated experiments
Digital temperature display with 0.1°C resolution	•	•	•	More precise temperature control
Heating rate adjustable			•	Ideal when faster or slower heat up times are desired
View current and set temperature simultaneously		•	•	Ease of use
User configurable temperature limit setting		•	•	For added sample protection
Microprocessor control	•	•	•	For improved efficiency
Temperature calibration		•	•	To offset/calibrate the temperature based on the application needs
Performance				
Temperature probe	Optional	Included	Included	Accurate sample temperature readout and control
Slow speed stirring capability (RPM)	50	50	30	For precise stirring applications
Large capacity stirring capability (Litre)	10	10	20	For larger sample volumes
Will maintain stir speed if viscosity changes	•	•	•	For applications where samples will change viscosity
Flexibility				
Range of sizes (mm)	108x108, 184x184, 260x260	184 x 184	140	Meets a wide range of sample size requirements
Top material options	Ceramic or aluminium	Ceramic or aluminium	Ceramic coated aluminium	Ceramic is resistant to chemicals and can handle higher temperatures, aluminium provides temperature uniformity across the entire top plate
Optional rods and clamps	•	•	•	To hold apparatus



Isotemp Series, Small Sized Models

Working Surface: 10.8 x 10.8 cm (4.25" x 4.25") Overall Dimensions: 12.7 x 25.4 x 9.1 cm (5" W x 10" D x 3.6" H)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
10.8cm x 10.8cm	15343508	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	540	
	15353508	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	540	
	15363508	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	15383508	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	15393508	Hotplate stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	540	
	15303518	Hotplate stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	540	

Isotemp Series, Medium Sized Models

Working Surface: 18.4 x 18.4 cm (7.25" x 7.25") Overall Dimensions: 20.8 x 33 x 9.7 cm (8.2" W x 13" D x 3.8" H)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
18.4cm x 18.4cm	15313518	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	540	
	15323518	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	540	
	15333518	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	15343518	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	15353518	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	540	
	15363518	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	540	
	15373518	Hotplate	Aluminium	230V 50/60Hz (EU Plug)	N/A	300	
	15383518	Hotplate	Aluminium	230V 50/60Hz (UK/AUS/CN Plug)	N/A	300	
	15393518	Stirrer	Aluminium	230V 50/60Hz (EU Plug)	50-1500	N/A	
	15303528	Stirrer	Aluminium	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	15323528	Hotplate Stirrer	Aluminium	230V 50/60Hz (EU Plug)	50-1500	300	
	15343528	Hotplate Stirrer	Aluminium	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	300	

Isotemp Series, Large Sized Models

Working Surface: 26.0 x 26.0 cm (10.25" x 10.25") Overall Dimensions: 28.7 x 41.1 x 10.2 cm (11.3" W x 16.2" D x 4" H)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
26cm x 26cm	15313538	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	400	
	15323538	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	400	
	15333538	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	15343538	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	15353538	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	400	
	15363538	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	400	

Warranty: Three years Certifications: cCSAus (100-120V models), CE (230V models) RoHS compliant



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Isotemp Advanced Series

The Isotemp Advanced series of stirrers, hotplates and stirring hotplates are designed to provide reliable performance, dependable safety and precise control. Available with optimised controls and settings for applications that demand advanced precision.

Intuitive design

- Top plate choices in ceramic or aluminium
- Raised display design protects electronics from spills
- Ability to set programs (ramp/dwell) as well as save settings
- Stainless steel PT100 temperature probe, supporting rod and clamp kit included with both hotplate and stirring hotplate models
- Stir bar included with stirrer and stirring hotplate models
- Optional PT1000 temperature probe and splash guard protection shield

Advanced technology

- StirTrac features innovative engineering for slow-speed stirring, consistent speed control, and stronger magnetic coupling
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F)
- Temperature adjustable in 1°C increments except when using temperature probe then ability to control in 0.1 degree increments below 100°C



Reliable performance. Ease of operation.

Isotemp Advanced Series Models

Working Surface: 18.4 x 18.4 cm (7.25" x 7.25") Overall Dimensions: 20.8 X 33 X 9.7 cm (8.2" W x 13" D x 3.8" H)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
18.4cm x 18.4cm	15353528	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	450	
	15363528	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	450	
	15373528	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	15383528	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	15393528	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	450	
	15303538	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	450	



Cat. No.	Description
15373538	Splash guard protection shield for all Isotemp 10.8cm x 10.8cm stirrers, hotplates and hotplate stirrers
15383538	Splash guard protection shield for all Isotemp 18.4cm x 18.4cm stirrers, hotplates and hotplate stirrers
15393538	Splash guard protection shield for all Isotemp 26cm x 26cm stirrers, hotplates and hotplate stirrers
15303548	PT100 external probe, 0-400°C, stainless steel, for all sizes of Isotemp hotplates and hotplate stirrers
15313548	PT1000 external probe (for better accuracy), 0-400°C, stainless steel, for all sizes of Isotemp hotplates and hotplate stirrers
15323548	Hastelloy PT1000 external probe (for use with acids), 0-400°C, Hastelloy, for all sizes of Isotemp hotplates and hotplate stirrers
15386607	Support rod to be used together with clamps and clamp holder to hold apparatus suitable for all Isotemp hotplates, stirrers and stirring hotplates
15346617	Clamp and clamp holder to attach to supporting rod, suitable for all Isotemp hotplates, stirrers and stirring hotplates
15353548	Power cord 1MM-2 BRIT 240 10A PE
15343548	Power cord 18-3 HSJO 10A EURO 86 PE



Splash guard protection shield is available for the range of Isotemp stirrers, hotplates and hotplate stirrers



PT1000, support rod, clamp and clamp holder are available for the range of Isotemp hotplates and stirrers



RT Basic Series Magnetic Stirrers

Experience the reliability of our easy-to-use stirrers, ideal for routine stirring applications

Features

- Strong magnetic coupling to ensure consistent stirring during experimental procedures
- Three size options: 120mm, 170mm, 220mm
- Low profile lightweight design with small footprint
- Speed control: 150 to 2500rpm
- Two non-slip silicone plate covers included with all units (1 black, 1 white)



Cat. No.	15336607	15346607	15356607
Plug Configuration			
Mechanism	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring Capacity (H2O)	2L	4L	5L
Speed Range	150 to 2500rpm	150 to 2500rpm	150 to 2500rpm
Maximum Load (vessel)	15kg / 33.07lbs	20kg / 44.09lbs	25kg / 55.12lbs
Body Material	Polypropylene	Polypropylene	Polypropylene
Top Plate Dimensions	120mm / 4.72in diameter	170mm / 6.69in diameter	220mm / 8.66in diameter
Overall Dimensions (WxDxH)	130 x 130 x 65mm 5.12 x 5.12 x 2.56in	185 x 185 x 65mm 7.28 x 7.28 x 2.56in	230 x 230 x 65mm 9.06 x 9.06 x 2.56in
Power Consumption	5W	6W	6W
Power	100 – 240V, 50/60Hz	100 – 240V, 50/60Hz	100 – 240V, 50/60Hz
Certifications	CE	CE	CE
Warranty	2 Years	2 Years	2 Years

Cat. No.

Accessories for RT Basic Series Magnetic Stirrers

15396607	Non-slip silicone plate cover for 15336607 (white, diameter 120cm)
15316617	Non-slip silicone plate cover for 15346607 (white, diameter 170cm)
15326617	Non-slip silicone plate covers for 15356607 (white, diameter 220cm)



Non-slip silicone plate covers



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Isotemp RT Digital Hotplate

Increase your confidence in safety and accuracy with our low-profile digital display hotplate. Equipped with HOT TOP warning and built-in temperature shut-off to provide accurate heating of samples and safety in the laboratory.

Features

- Precise digital control to 0.1°C
- Automatic over-temperature safety shut off at 450°C
- HOT TOP warning indicator
- Microprocessor PID temperature control
- Non-slip heating bath (optional)
- Transparent safety shield (optional)
- Two threaded holes for support rods
- Keypad lock
- Heating rate can be set from 0 to 100% at 1% intervals
- View current and set temperature simultaneously
- Timer can be set to start immediately, count down or start when top plate reaches desired set point
- Aluminium top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing



Cat. No.	15306607	
Plug Configuration		
Temperature Range	Max 350°C /662°F	
Heating Control	Feedback Control with PID	
Display	LED digital (0.1°C resolution)	
Maximum Load (vessel)	25kg / 55.1lbs	
Body Material	Cast aluminium	
Top Plate Dimensions	140 mm / 5.5in diameter	
Top Plate Material	Ceramic coated aluminium	
Overall Dimensions (WxDxH)	161 x 290 x 100mm 6.34 x 11.42 x 3.94in	
Heating Power	600W	
Power	120V, 60Hz	230V, 50/60Hz
Certifications	CE, cCSAus	
Warranty	2 Years	

Cat. No.	Accessories for Isotemp RT Hotplate
15366607	Heating Bath
15376607	Transparent Shield (PC)
15386607	Support Rod (Ø12mm, 400mm, M10)



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Isotemp RT Basic Hotplate Stirrer

Rely on the accuracy of our low-profile analogue hotplate stirrer for your routine applications. Each unit is equipped with HOT TOP warning and built-in over-temperature safety shut-off.

Features

- Automatic over-temperature safety shut off at 450°C
- Hot top warning indicator
- Max temperature of 350°C
- Non-slip heating bath (optional)
- Transparent safety shield (optional)
- Supporting rod (optional)
- Two threaded holes for support rods
- Aluminium top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing.
- 20L stirring capacity



Cat. No.	15316607	
Plug Configuration		
Temperature Range	Max 350°C / 662°F	
Heating Control	Scale	
Stirring Speed Range	50 to 2000rpm	
Maximum Load (vessel)	25kg / 55.1lbs	
Stirring Capacity (H2O)	20L	
Body Material	Cast aluminium	
Top Plate Material	Ceramic coated aluminium	
Top Plate Dimensions	140 mm / 5.5in diameter	
Overall Dimensions (WxDxH)	161 x 290 x 100mm 6.34 x 11.42 x 3.94in	
Heating Power	600W	
Power	120V, 60Hz	230V, 50/60Hz
Certifications	CE, cCSAus	
Warranty	2 Years	

Cat. No.	Accessories for the Isotemp RT Basic Hotplate Stirrer
15366607	Heating Bath
15376607	Transparent Shield (PC)
15386607	Support Rod (Ø12mm, 400mm, M10)



Heating bath



Isotemp RT Advanced Hotplate Stirrer

Experience precision with our low-profile digital display hotplate stirrer, equipped with PT100 sensor for precise temperature measurements for sensitive experimental procedures.

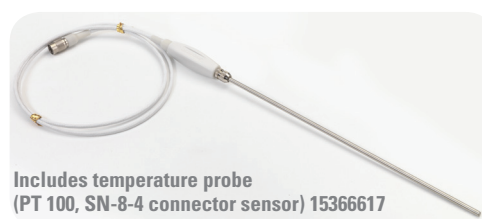
Features

- Precise digital control with 0.1°C resolution
- HOT TOP warning indicator
- Microprocessor PID temperature control
- User configurable temperature limit setting
- Non-slip heating bath (optional)
- Transparent safety shield (optional)
- Two threaded holes for support rods
- Keypad lock
- Automatic over-temperature safety shut off at 450°C
- Heating rate can be set from 0 to 100% at 1% intervals
- View current and set temperature simultaneously
- Timer: start immediately or when desired temperature is reached
- Aluminium top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing
- 20L stirring Capacity
- Stir speed range: 30-2000rpm
- If stirring viscosity changes, the feedback function allows unit to maintain set speed
- Temperature probe (included) when coupled, automatically changes to external sensor mode, user can check sample temperature also control via probe on digital display



Cat. No.	15326607
Plug Configuration	
Temperature Range	Ambient 50°C to 350°C / 122°F to 662°F
Heating Control	Feedback Control with PID / Scale
Stirring Speed Range	30 to 2000rpm
Maximum Load (vessel)	25kg / 55.1lbs
Stirring Capacity (H2O)	20L
Body Material	Aluminium
Top Plate Material	Ceramic coated aluminium
Top Plate Dimensions	140mm / 5.5in diameter
Overall Dimensions (WxDxH)	161 x 290 x 100mm 6.34 x 11.42 x 3.94in
Heating Power	600W
Power	120V, 60Hz 230V, 50/60Hz
Certifications	CE, cCSAus
Warranty	2 Years

Cat. No.	Accessories for Isotemp RT Advanced Hotplate Stirrer
15366607	Heating Bath
15376607	Transparent Shield (PC)
15386607	Support Rod (Ø12mm, 400mm, M10)
15366617	Temperature Probe (PT 100, SN-8-4 connector sensor)
15346617	C-5, Clamp Holder (PP body, Ø12 mm)
15356617	Three-Prong Clamp (60mm grip)
15366617	Temperature Probe (PT100, A Class, 400°C)



Includes temperature probe (PT 100, SN-8-4 connector sensor) 15366617



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