



Fisher Isotemp® Digital Line

Hotplates, Stirrers and Stirring Hotplates



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Isotemp®



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- Individual temperature and speed displays for precise control
- External temperature probe controls solution temperature
- Over temperature protection provides added safety

Isotemp digital hot plates, stirrers and stirring hot plates are designed for applications that require precise accuracy and repeatability. Units feature an updated safety system including a hot surface warning system and over temperature protection. Individual heat and stir displays, a timer and external temperature probe kit ensures repeatable results. Available with reflective white ceramic top for enhanced sample visibility or rugged aluminum top for added durability.

Precise temperature and speed control

- Microprocessor control regulates both heating and stirring functions. Both speed and temperature are precisely controlled throughout the entire range. Instant ON feature starts stirring at 50 RPM to prevent splashing.
- All heating units include a temperature probe kit containing a 6" coated stainless steel probe, 18" support rod and probe clamp for more precise temperature control.

Information at a glance

- Separate heat and stir displays show actual and set point temperature and stir speed allowing repeatable accurate results.
- Timer shuts off heating, stirring or both and sounds audible alarm to alert user, perfect for timed applications.

Safe simple operation

- Hot Surface Warning safety symbol illuminates when top plate is hot and remains lit until top plate cools below 50°C preventing accidental burns.
- Over temperature protection system cuts off power to unit in an overheat condition protecting both the user and the sample.
- Cast-aluminum base has molded contours to divert liquid spills away from internal components.

Models

- Stirrers, hotplates and stirring hotplates available with white ceramic or rugged aluminum tops in 7 x 7" size.

Includes

Detachable 3-wire cord and plug, Teflon® stir bar

Warranty

1 year

Certifications

120V units: CSA, CUS
230V units: CSA, CUS, CE

Fisher Isotemp Digital Line Technical Specifications and Ordering Information



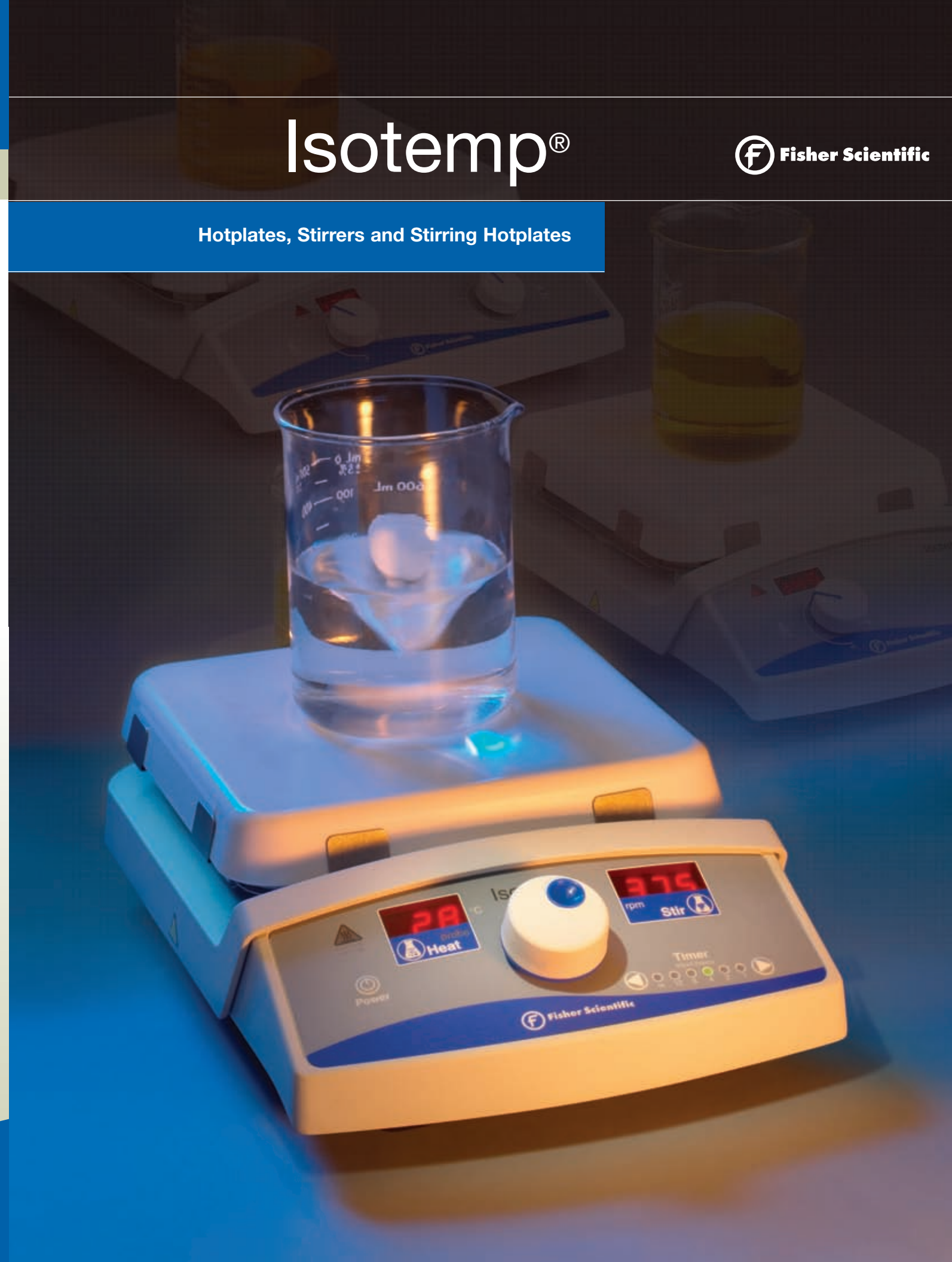
Size	Plate Material	Temperature Range	Stir Range	Top Plate Dimensions (not all units heat) L x W	Overall Dimensions (L x W x H)	Electrical (50/60 Hz)	Catalog No.
HOT PLATES							
7 x 7	Ceramic	30 to 540°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.3 cm)	120V	11-300-49HP
7 x 7	Ceramic	30 to 540°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.3 cm)	230V	11-302-49HP
7 x 7	Aluminum	30 to 300°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	120V	11-400-49HP
7 x 7	Aluminum	30 to 300°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	230V	11-402-49HP
STIRRERS							
7 x 7	Ceramic	NA	60 - 1200 rpm	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	120V	11-300-49S
7 x 7	Ceramic	NA	60 - 1200 rpm	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	230V	11-302-49S
STIRRING HOT PLATES							
7 x 7	Ceramic	30 to 540°C	60 - 1200 rpm	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	120V	11-300-49SHP
7 x 7	Ceramic	30 to 540°C	60 - 1200 rpm	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	230V	11-302-49SHP
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For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
Internet address: www.fishersci.com

BN0411071

BRO-CEHPISO-0407



- LED display allows for accurate and repeatable results
- Microprocessor control regulates heating and stirring functions improving overall performance
- Hot surface warning system protects both users and samples

Choose from Basic or Digital Styles

Both the basic and digital styles are designed with a two-piece casting for added durability and safety. This design deflects spills away from the electronics and includes a built-in mount for added flexibility. Units feature microprocessor controls for accurate temperature settings and precise stir control. A hot surface warning system protects both the operator and sample.

Basic plates are perfect for general laboratory applications. A digital heat display shows set point temperature. With a choice of three sizes - 4 x 4, 7 x 7 and 10 x 10" you can select the perfect plate for your application.

Digital plates offer the added functionality of dual displays, a timer and an over temperature protection system. Separate heating and stirring displays show actual and set point temperature and stir speed, while the over temperature protection system cuts off power to the unit in overheat conditions for added safety. A timer regulates both heating and stirring functions – perfect for timed experiments. All heating units include a remote temperature probe, rod and clamp.

Fisher Isotemp Basic Line
Technical Specifications and Ordering Information

Size	Plate Material	Temperature Range	Stir Range	Top Plate Dimensions (L x W)	Overall Dimensions (L x W x H)	Electrical (50/60 Hz)	Catalog No.
HOTPLATES							
4 x 4	Ceramic	30 to 540°C	NA	4.25 x 4.25" (10.8 x 10.8 cm)	5.5 x 3.8 x 9.7" (14 x 9.3 x 24.7 cm)	120V	11-100-16H
4 x 4	Ceramic	30 to 540°C	NA	4.25 x 4.25" (10.8 x 10.8 cm)	5.5 x 3.8 x 9.7" (14 x 9.3 x 24.7 cm)	230V	11-102-16H
7 x 7	Ceramic	30 to 540°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.3 cm)	120V	11-100-49H
7 x 7	Ceramic	30 to 540°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.3 cm)	230V	11-102-49H
7 x 7	Aluminum	30 to 300°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	120V	11-200-49H
7 x 7	Aluminum	30 to 300°C	NA	7.25 x 7.25" (18.4 x 18.4 cm)	8.5 x 3.8 x 12.7" (21.7 x 9.6 x 32.2 cm)	230V	11-202-49H
10 x 10	Ceramic	30 to 400°C	NA	10.25 x 10.25" (26.0 x 26.0 cm)	11.6 x 4 x 15.7" (29.6 x 10.4 x 39.8 cm)	120V	11-100-100H
10 x 10	Ceramic	30 to 400°C	NA	10.25 x 10.25" (26.0 x 26.0 cm)	11.6 x 4 x 15.7" (29.6 x 10.4 x 39.8 cm)	230V	11-102-100H
STIRRERS							
4 x 4	Ceramic	NA	60 - 1200 rpm	4.25 x 4.25" (10.8 x 10.8 cm)	5.5 x 3.8 x 9.7" (14 x 9.3 x 24.7 cm)	120V	11-100-16S
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Designed for general laboratory applications, these low profile hotplates, stirrers and stirring hotplates feature updated safety systems, digital heat display and two-piece spill resistant cast housing to deflect spills away from critical components.

Operating Features

- Choose white reflective ceramic top for enhanced sample visibility, resistance to acids and alkalis and ease of cleaning.
- Rugged aluminum top units provide more uniform heat distribution and added durability to sustain impacts that might break glass surfaces.
- Select from 3 sizes to match your application.
- Accommodates vessels up to 1L on 4 x 4" models, 4L on 7 x 7" models and 6L on 10 x 10" models.

Simple Operation

- Easy to read digital display shows set point temperature for improved accuracy and repeatability.
- Built-in support rod mount with thumbscrew accommodates rods up to 13 mm in diameter.
- Microprocessor control regulates both heating and stirring functions. Both speed and temperature are precisely controlled throughout the entire range. Instant ON feature starts stirring at 50 RPM to prevent splashing.
- Temperature and speed control knobs can be turned easily even when wearing gloves.

Enhanced Safety

- Warning safety symbol illuminates when top plate is hot and remains lit until top plate cools below 50°C preventing accidental burns.
- Cast-Aluminum base has molded contours to divert liquid spills away from internal components.

Includes

Detachable 3-wire cord and plug, Teflon® stir bar

Warranty

1 year

Certifications

120V units: CSA, CUS
230V units: CSA, CUS, CE