
Digital Hotplate Stirrer

Instruction Manual

Catalog # 12004615

12004616

12004617

12004618



Introduction

Congratulations on the purchase of your hotplate stirrer.

In order to ensure the safe operation of the equipment, please read this manual in its entirety before use.

System Components

Description	Quantity
Hotplate stirrer	1
Power cord	1
Stir bar	1

Specifications

Description	Specification
Speed	200–1,500 rpm
Temperature	Ambient 5–380°C
Platform dimensions	6.5 x 6.5 in.
Electrical	115 V/60 Hz or 230 V/60 Hz
Power consumption	Max: 500 W

Installation

Place the Digital Hotplate Stirrer on a flat, level surface, with at least a 4 inch (10 cm) clearance on all sides. Attach provided power cord to rear of unit and plug into a grounded outlet of appropriate voltage.



Warning! Do not store or operate this instrument near a sink or water source as contact with water could cause electrical shock.



Warning! The outlet voltage must match the voltage listed on the label on rear of instrument. Failure to supply appropriate power may damage instrument and void the warranty.

Note: Place the instrument so that the power cord is readily accessible and can be pulled out of the electrical outlet easily.

Control Panel

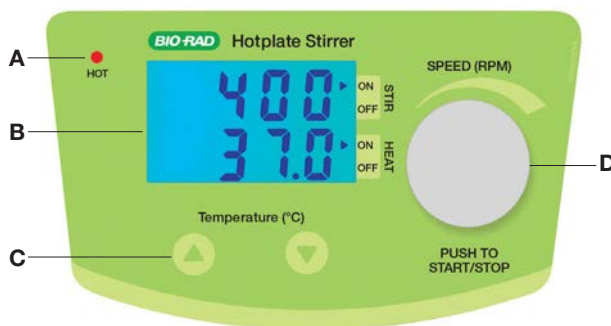
A) Hot surface indicator light:

illuminates when instrument is powered on and the surface temperature is above 50°C.

B) LCD Display: top line displays the stir speed in RPM. Bottom line displays the temperature in degrees Celsius. At right, a ► symbol shows the on/off state of the stir and heat functions.

C) Temperature selection keys: increase or decrease the set point.

D) Selection knob (dial and button): press the button to start/stop the heat and stir functions. Rotate the dial to adjust stir bar speed (rpm).



Operation

- Power on the instrument by setting the power switch (rear of instrument) to the “I” position
- Set the stir speed by turning the dial. The stir speed will appear at the top of the LCD display. **To operate without stirring, set the stir speed to zero and turn the dial counterclockwise until the stirring stops**
- Set temperature by using the up ▲ and down ▼ keys below the display. The temperature you set will appear at the bottom of the display. **To operate without heating, set temperature to zero**
- Once the desired stir speed and temperature are set, press the selection knob to begin stirring and heating. The stir speed and temperature will begin to adjust to the set parameters



Warning! Once the selection knob has been pressed, the top of the instrument will begin to heat up very rapidly. Do not touch the heating surface as this can result in bodily injury, including burns. Keep volatile or flammable substances away from the instrument.

Maintenance

- To clean the body and surface plate of the instrument, unplug the unit and allow the instrument to completely cool to room temperature. When the unit has cooled, use a lint-free rag to wipe down all surfaces



Warning! Do not immerse in water or spray cleaner directly on the instrument. Doing so may damage the instrument and void the warranty.

Troubleshooting

Problem	Potential cause	Troubleshooting
No heating or stirring	No/insufficient power delivered to unit	Check that both ends of the power cord are firmly connected.
	Blown fuse	Replace the fuse.

Ordering Information

Catalog #	Description
12004615	Digital Hotplate Stirrer , 120 V
12004616	Digital Hotplate Stirrer , 230 V, Europe
12004617	Digital Hotplate Stirrer , 230 V, UK
12004618	Digital Hotplate Stirrer , 230 V, Australia

Bio-Rad Technical Support

The Bio-Rad Technical Support Department in the U.S. is open Monday through Friday, 5:00 AM to 5:00 PM, Pacific time.

Phone: 1-800-424-6723, option 2

Email: Support@bio-rad.com (U.S./Canada Only)

For technical assistance outside the U.S. and Canada, contact your local technical support office or click the Contact us link at www.bio-rad.com.

Legal Notices

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Warranty

The Digital Hotplate Stirrer is covered by a standard Bio-Rad warranty. Contact your local Bio-Rad Laboratories office for the details of the warranty.

Safety Warnings



A **Warning!** symbol in this manual warns you about sources of injury or harm, including risk of electrical shock.

Do not heat substances that react violently when heated.

Do not use this instrument near flammable or explosive materials.

Do not touch top surface when hot or when unit is heating.

Do not attempt to repair or remove the outer case of the hotplate stirrer or other accessories. If you open this instrument, you put yourself at risk for harm to body or equipment from electrical shock.

Connect unit only to a properly grounded outlet.

Use of this product in any manner not specified by the manufacturer or any modification of the product may cause injury and/or may void the warranty.

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