

# LABINCO LD39 Digital Hotplate Magnetic Stirrer 60 ltr. 450°C



## Technical data

Number of stirring positions	1
Stirring quantity max.	60 ltr
Motor rating input	100 W
Motor rating output	45 W
Speed display	analog
Speed range	10 - 1000 rpm
Stirring bar length max.	120 mm
Heat output	2000 W
Heating rate	7 K/min
Heating temperature range	room temp. - 450 °C
Heat control	digital
Heat control accuracy	1 ±K
Speed control	stepless
Adjustable safety circuit min.	yes
Adjustable safety circuit max.	yes
Connection for ext. temperature sensor	on request
Control accuracy with sensor	1 ±K
Temperature constancy in medium	1 ±K
Set-up plate material	aluminium
Set-up plate dimensions	Ø 300 mm
Dimensions (W x D x H)	320 x 340 x 155 mm
Weight	9.1 kg
Permissible ambient temperature	5 - 40 °C
Permissible relative humidity	80 %
Protection class according to DIN EN 60529	IP 42
RS 232/485 interface	on request
Product number	39000
Voltage	220 - 230 V
Frequency	50/60 Hz
Power input	2100 W

# LABINCO LD39 Digital Hotplate Magnetic Stirrer 60 ltr. 450°C



## Description

The "LABINCO" Model LD-39 is an instrument that provides separate or simultaneous heating and stirring in beaker glasses or other suitable containers. Aluminum alloy top plate, 300 mm diam, to be heated with cast-in heating element of 2000W. Temperature is digital controlled between 30-450 degr. The stirring speed are independently controllable between 10-1000 rpm.

## Operating instructions

After unpacking Model LD-39 you carefully take all packing materials from the hotplate and other parts and connect the unit to sufficient 230V line to be used up to 12 Amp.

You can set the plate temperature with the digital controller from 30 to 450 degr. With the left knob on the digital controller, and the knob up or down on the digital controller you can set the temperature. Push the left knob on the digital controller and the up or down knob for setting the temperature. If you have setting the digital controller on the temperature you would like, then will heating the plate to the temperature you setting. (see also the user's guide off the digital controller). The contact thermometer will control the heating of the Aluminum hot plate, depending on the temperature of the liquid. For controlling the temperature of the liquid, you are stirring in the container, you can connect a contact probe to the line connector at the rear of the LD-39 (these are on request). Stirring speed can be controlled in between approx. 10 and 1000 rpm, by setting the dial knob for stirring speed on the desired position.

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