

LABINCO L82 Hotplate Magnetic Stirrer

10 ltr. 325°C



DESCRIPTION AND OPERATING INSTRUCTIONS:

A PTFE coated stirring-bar (40x8) mm and this manual are included with delivery. After carefully unpacking, place the unit on a suitable flat surface. Check the power-line and line-Cord with the printed specifications on the sticker at the rear. Put the cord into the power-line and touch-push "Power-switch-ON". The green LED will lit. Choose either stirrer or heater "ON" with Potentiometer knobs. The Labinco Model L-82 is an instrument that provides heating and stirring in beaker glasses, Erlenmeyer's or other suitable containers, up to a capacity of 10 Ltr. Either speed or temperature can be varied, by turning the "speed-knob" or "temperature knob" clock-wise. Both settings are stepless controllable. You can set the speed (rpm) on the required most practical stirring action. The temperature control is linear in degrees Centigrade with the scale on the front as indicated. Of course you must introduce a suitable magnetic-stirring-bar in the container. To optimize the stirring action, sometimes other than standard stirring-bars may be needed. Containers with unflat bottom or made of easily magnetizable materials may disturb optimal stirring action too much. For liquid-temperature control in the containers you can either use a contact-making thermostat or the electronic digital contact-thermometers, which is available from Labinco as Model LD-80 (cat .no. 80.000) Model L-82 is provided with a special 4-wire connector at the rear for GND, 9VDC, SAFETY, and CONTROL. This connector accepts a male 5 -pole DIN- 45322 plug for thermometer connection. For support-rod, with clamp and parts. Cat. No. 80900

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Technical data

Number of stirring positions	1
Stirring quantity max.	10 ltr
Motor rating input	35 W
Motor rating output	15 W
Speed display	analog
Speed range	50 - 1250 rpm
Stirring bar length max.	80 mm
Heat output	600 W
Heating rate	7 K/min
Heating temperature range	room temp. - 325 °C
Heat control	analog
Heat control accuracy	1 ±K
Speed control	stepless
Adjustable safety circuit min.	-
Adjustable safety circuit max.	-
Connection for ext. temperature sensor	Yes, (LD 80)
Control accuracy with sensor	1 ±K
Temperature constancy in medium	1 ±K
Set-up plate material	Aluminium
Set-up plate dimensions	Ø 145 mm
Dimensions (W x D x H)	172 x 286 x 125 mm
Weight	2.9 kg
Permissible ambient temperature	5 - 40 °C
Permissible relative humidity	80 %
Protection class according to DIN EN 60529	IP 42
RS 232 interface	-
Product number	82000
Voltage	220 - 230 V
Frequency	50/60 Hz
Power input	635