



Product manual

Labinco L82



LABINCO B.V.

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Standard Hotplate Magnetic Stirrer L-82

Model	Model L-82
Cat. number.	82000 (220V) 82010 (115V)
Description	Standard Hotplate Magnetic Stirrer
Hotplate Surface	150 mm ALUMINIUM
Stirring capacity (max)	10 ltr.
Motor rating input/output	22/2,2 watt
Speed range (stepless)	100 - 1250 rpm
Heating capacity	600 watt
Hotplate temperature °C	50-320 °C
Weight (nett/ packed)	2,8 Kg / 3,8 Kg
Dimensions (WxDxH) mm	172 x 286 x 125 mm
Permissible ambient T.	5 - 50 °C
Permissible humidity	80 %
Protection class	IP 42
Voltage /Frequency/Power	220V or115VAC 50/60 Hz 625 Watt



PROVIDED WITH:

- 1) Plate-temperature control with thermocouple
- 2) Red "HOT"- plate indication LED
- 3) "350°C" undependant over-heating switch-off
- 4) With electronic contact-thermometer this stirring hotplate can control liquid-temperatures within +/- 0,5°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 yellow "stirrer" LED will lit and the "heater" LED first lites green and than yellow which is indicating that the heater is heating. After the first rise of plate-temperature the "HOT" indicating LED will lit as a red "DON'T TOUCH" warning. The Labinco Model L-82 is an instrument that provides heating and stirring in beakerglasses, erlenmeyers 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 controllible. You can set the speed (rpm) on the required most practical stirring action. The temperature controll is linear in degrees Centigrades 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, some times other than standard stirring- bars may be needed. Containers with unflat bottom or made of easily magnetisable materials may disturb optimal stirring action to 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 clamb and parts. Cat. No. 80900



MAGNETIC STIRRING BARS:

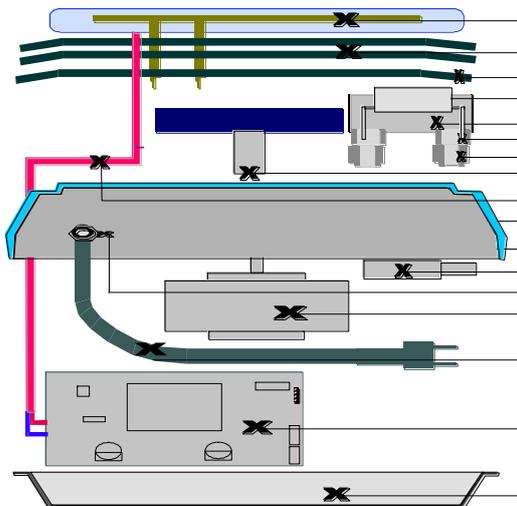
Package of 5 pc.			
54001	20 x 8mm	54014	30 x 8mm
54012	40 x 8mm	54015	50x8mm
54013	60 x 8mm	54017	10x7mm
Package of 1 (one) pc.			
54018	60x14m	54019	70x16mm

N-20401



Thermometer-plug wiring.

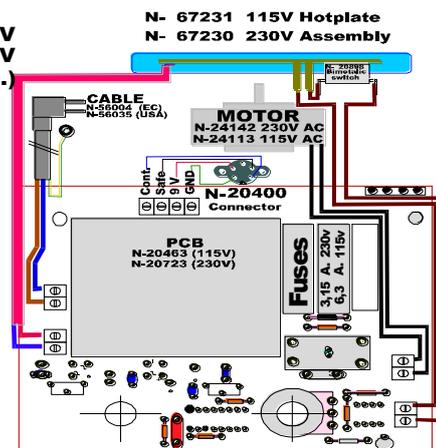
SCHEMATIC DIAGRAM L-82N



SPARE PARTS L-82N

N- 67231	Hotplate assembly 600W 115 V
N- 67230	Hotplate assembly 600W 230 V
N- 65112	St. Steel upper-reflectors (2pc.)
N- 65112	St. Steel reflector (1pc.)
N- 20898	Bimetalic switch 340 °C
N- 65115	Stainless Steel Bushing
N- 63111	Ceramic Bushin
N- 63110	PTFE Bushing
N- 67341	Magnet assembly
N- 67341	Thermocouple assembly
N- 41310	Aluminum Housing
N- 20400	Connector chassis-part
N- 20401	Connector cable-part
N- 26131	Cable-connector PG-7
N- 24142	Motor AC 230V AC 50/60 Hz
N- 24113	Motor AC 115V AC 50/60 Hz
N- 56004	Cable 220V
N- 56035	Cable 115V
N-20463	PCB 115V 50/60 Hz
N-20723	PCB 230V 50/60 Hz
N- 25125	Frontplate L-82N
N-49019	Ventilated ABS bottom

WIRING DIAGRAM L-82N



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