

# NEW EQUIPMENT REPORT

## Hotplate Magnetic Stirrers



### Economy Hotplate Stirrers L-81

- Stirring motors: are of the AC-motors type
- Temperature regulated with bulbthermostat
- Air circulation: provided through the housing

### Standard/Large Hotplate Stirrers <sup>L 82</sup> LD-83

- **Stainless Steel Reflectors:** withstand heat transfer from the hotplaces to the housing
- **Bi-metallic, over-heating protection:** operates independent, shuts off heating at 350°C
- **Hotplate Temperature:** regulated (50-325°C) through thermocouple, directly on the hotplate
- **"HOT" plate indication:** red indication-led shows the hotplate-temperature risen above 50°C
- **Thermometer connection:** DIN 5-pins 270°



### Electronic Contact-Thermometer Model LD-80

For use with Models L-82 and LD-83 HOTPLATE STIRRERS, including Pt-1000-probe (ø 3 mm, L = 225 mm) and factory calibration certificate.

Output open collector.  
DIN connector 5 pin 270°.  
Range -50- + 300°C.

Ordering: cat. no. 80.000  
(with stainless steel probe)  
cat. no. 80.100  
(with glass probe).

### Support Rod Model L-809

Complete set for thermometer support, including rod, clamb and extention for use with beakers larger then 5 ltr.

Ordering: cat. no. 80.900.

### "Large capacity" models LD-83

- **Stirring motors:** are of the EC-Motors type which are brushless electronical DC-motors
- **Closed Housing:** withstands inside circulation of hazardous gasses/air (protects electronics)
- **Large Stirring Capacity:** up to 20 ltr.

### Aluminium HOTPLATE

- 150 mm diameter
- 600 Watt
- Temperature range 50 - 325°C
- Speed-Range 50 - 1250 rpm

Economy Model L-81 Capacity: 5 ltr
Standard Model L-82 Capacity: 10 ltr.
Large Capacity Model LD-83 Capacity: 20 ltr.

- **Housing:** two-pieces housing, composed of a pressure moulded metal (aluminum) tophousing and a thermo-vacuum formed plastic (ABS) bottom
- **Coating:** electrostatically applied powder coating; to be excellent corrosion resistant and strong
- **M-10 threaded support rod connection** is available for thermometer support



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# Hotplate Magnetic Stirrers (ordering)



Model	Model L-81	Model L-82	Model LD-83
Cat. number	81000	82000	83000
Description	Economy Hotplate Stirrer	Standard Hotplate Stirrer	Large Hotplate Stirrer
Stirrer capacity	5 ltr.	10 ltr.	20 ltr.
Motor rating in/out	22/2,2 W	22,2/2 W	13/5 W
Speed range	50-1250 rpm		
Heating surface	145 mm diam.		
Heating power	600 watt		
Hotplate material	ALSI 12		
Temperature-range	50-325° C		
Setting accuracy	+/- 15	+/- 3° C	
Electronic thermometer	N/A	LD-80	
Accuracy with sensor	N/A	+/- 0,5° K	
Fixed safety (undep.)	N/A	350° C	
"Hot" indication LED	N/A	50° C	
Weight	2,8 kg		
Dimensions (wxdxh)	172 x 286 x 125 mm		
Permissible ambient	5 - 40° C		
Permissible humidity	80%		
Protection class	IP 42		
Voltage/Frequency	230V/50 Hz		

**PTFE - chemical resistant topplate**



**Stainless steel topplate**

