



INFRARED HOTPLATE STIRRERS

Infrared Hotplate Stirrer LIHS-A10

Infrared Hotplate Stirrer LIHS-A10 is a microprocessor controlled portable unit with a 24 step top plate temperature of 0 °C to 500 °C. Features an easy to read digital display with an adjustable setting for working time, temperature and stirring speed. Chemically resistant ceramic glass plate provides excellent heat transmission with even distribution. Infrared heating element for effective heat production. Dual PID supports quick heating of large volume sample or accurate control of small amount of sample.

Features

- Microprocessor PID controlled
- Memory function with fixed conditions (stirring speed and temperature)
- Liquid drainage above control board (avoiding solution splashing on touch board)
- High transparency silicon rubber (resistance to acid, base and organic solution)
- Temperature sensor for effective control
- Push buttons for easy adjustment of parameters
- Chemically resistant ceramic glass plate (antithermal-shock)
- Hot top warning indicator
- Automated system shut down on exceeding preset temperature
- Dual PID for quick heating

Infrared Hotplate Stirrer LIHS -A11

Infrared Hotplate Stirrer LIHS -A11 is a microprocessor controlled portable unit with a continuous top plate temperature of 0 °C to 500 °C. Features an easy to read digital display with an adjustable setting for working time, temperature and stirring speed. Chemically resistant ceramic glass plate provides excellent heat transmission with even distribution. Infrared heating element for effective heat production. Dual PID supports quick heating of large volume sample or accurate control of small amount of sample.

Features

- Microprocessor PID controlled
- Memory function with fixed conditions (stirring speed and temperature)
- Liquid drainage above control board (avoiding solution splashing on touch board)
- High transparency silicon rubber (resistance to acid, base and organic solution)
- Temperature sensor for effective control
- Push buttons for easy adjustment of parameters
- Chemically resistant ceramic glass plate (antithermal-shock)
- Hot top warning indicator
- Automated system shut down on exceeding preset temperature
- Dual PID for quick heating

Digital Hotplate Stirrer LIHS-B10

Digital Hotplate Stirrer LIHS-B10 is a microprocessor controlled portable unit with a hot plate temperature of 550 °C. Features an easy to read digital display with an adjustable setting for working time, temperature and stirring speed. Ceramic coated stainless steel top plate provides mild sample heating. Automated system shut off on exceeding the set temperature. Dual PID supports quick heating of large volume sample or accurate control of small amount of sample.

Features

- Microprocessor PID controlled
- Memory function with fixed conditions (stirring speed and temperature)
- Top plate resistance upto 700 °C thermal shocks
- Liquid drainage above control board (avoiding solution splashing on touch board)
- Temperature sensor for effective control
- Ceramic coated stainless steel top plate
- Hot top warning indicator
- Automated system shut down on exceeding preset temperature
- Dual PID for quick heating
- Compressed air connector (optional)

Applications

Used for liquid mixing, in chemical synthesis, physical and chemical analysis, bio- pharmaceuticals etc.

Specifications

Model No	LIHS -A10	LIHS -A11
Display mode	LCD	LCD
Plate temperature	0 °C ~ 500 °C (24 steps)	0 °C ~ 500 °C (continuous)
Safety temperature	550 °C (fixed)	50 °C ~ 550 °C (adjustable)
PID parameters	1 set	2 set
Rotating speed	100 rpm ~ 1200 rpm	100 rpm ~ 1200 rpm
Control	Digital set and control	Digital set and control
Solvent temperature	0 °C ~ 300 °C	0 °C ~ 300 °C
Temperature stability	± 2 °C	± 2 °C
Heating capacity	600 W	600 W
Maximum H2O capacity	20 L	20 L
Plate material	Glass ceramic	Glass ceramic
Timer	1 ~ 9999 mins/continuous	1 ~ 9999 mins/continuous
Interface	USB	USB
High temperature protection (Δ T)	25 °C	25 °C
Top plate dimensions	∅135 mm	∅135 mm
Dimensions	225 x 215 x 115 mm	225 x 215 x 115 mm

Specifications

Model No	LIHS -B10
Display mode	LCD
Plate temperature	550 °C
Heating capacity	500 W
Solvent temperature	40 °C ~ 300 °C
Speed range	50 rpm ~ 1500 rpm
Minimum time to boiling point for 1L H ₂ O	10 mins
Heating zone	∅ 190 mm
Temperature stability	± 2 °C
Maximum H ₂ O capacity	30 L
Temperature sensor	Pt100
Plate material	Glassceramic
Interface	RS232
Protection type	IP20
Protection class	Level 1
Power	230 V / 50 Hz
Top plate dimensions	280 x 280 mm
Dimensions	450 x 282 x 115 mm
Weight	4.1 kg