

Jeio Tech Advanced Hotplate Stirrers

Brand: Jeio Tech

Jeio Tech's Advanced Hotplate Stirrers provide digital heating and stirring control, and come with various highly advanced features (e.g. auto tuning, multi-functional control modes).

Each hotplate stirrer is supplied with a temperature probe to identify the exact temperature of media in real time, which is visible on their digital display.

Features:

Performance & Convenience:

- Microprocessor PID temperature control.
- Feedback control allows constant stirring speed.
- Auto-tuning and temperature calibration functions.
- Multi-functional temperature control modes (optimal/fast/slow/user/point).
- Optimum heating level is adjustable from 0 to 100%.
- Integrated design of the heater and the top plate provides exceptional heat transfer rate and quick heat-up capability.
- Fast and precise stirring operations are enabled by a BLDC motor and special magnet with extremely strong magnetic coupling power.
- Smooth-start mechanism provides virtually no decoupling of stir bars even with viscous media.
- Instant halt of the stirring operation.
- Precise temperature is set by digital display and optimum heating level is adjustable.
- RUN/STOP button.
- Provided temperature probe detects the actual temperature of media in real time (PT100, max. 250°C, SN-8-4 connector sensor).

Safety:

- Hot top warning indicator, built-in thermal shut off, current limit protection.
- High and low temperature limit setting for user convenience and safety.



Specifications:

Model(s)		TS-14S	TS-17S	TS-18Q
Product Code(s)		AAH34415K	AAH34425K	AAH34435K
Heating	Temperature Range (°C)	Max. 350		
	Control	Feedback control with PID		
	Display	LED digital (0.1°C resolution)		
	Heating Power (W)	600	800	
Stirring	Speed Range (rpm)	30 to 2000		
	Capacity (litres)	20		
	Magnetic Bar, Max. (Ø x l)	8 x 40mm		
Safety	Hot Top Indicator (°C)	Warning lamp (50°C)		
	Over Temperature	Top plate/main body/PCB		
	Over Current	Current limit protection		
Motor		BLDC motor		
Timer		2 type, 1 min. to 99 hr. 59 min.		
Max. Load (kg)		25		
Top Plate	Shape	Round type		Square type
	Material	Ceramic coated aluminium		
	Dimensions (Ø or w x d)	140mm	170mm	180 x 180mm
Body	Shape	Straight body		
	Material	Aluminium		
	Dimensions (w x d x h)	161 x 290 x 100mm	191 x 330 x 101mm	209 x 326 x 102mm
Net Weight (kg)		2.8	3.5	3.8
Electrical Requirements (230V, 50/60Hz)		3A	4A	