

## Jeio Tech 50 to 1200rpm Advanced Overhead Stirrer (MSH-0512)

**Product Code:** AAH371415K

**Brand:** Jeio Tech

The easy-to-use Jeio Tech 50 to 1200rpm Advanced Overhead Stirrer (MSH-0512) is suitable for daily laboratory use with a maximum viscosity of 50,000cP.

With a prestige touch LCD touch screen controller and remote control systems that shows their excellent flexibility, this overhead stirrer is ideal for performing professional stirring tasks where high functionality, safety, and longevity is required.

### Features:

#### Performance:

- Years of vibration-free and silent operation. Equipped with a maintenance-free BLDC motor to generate smooth, quiet, and yet powerful stirring.
- Powerful torque capable of handling high viscosity tasks.
- Maintenance of constant motor speed by PID feedback control system even under conditions of changing viscosity.
- Best effort function intelligently manages its stirring speed to keep stirring even workload is out of its capacity.
- Prevention of accidental spills or splashes thanks to microprocessor controlled smooth start and stop functions.

#### Convenience:

- Touch type LCD controller. Various essential information are visible at once and intuitively controlled. Set/present rpm and run time view, simple timer set (max. 99 hr. 59 min.). Varying motor torque is indicated on display in real time. Motor temperature condition is indicated on display by three different colours to protect motor. Stirring directions are selectable depending on each impeller's shape.
- Remote control and monitor of lab equipment through mobile devices (Android only). Jeio Tech network can be configured by installing an included software (JeioTechsoft). You can monitor your lab equipment through your mobile device regardless of place and time.
- Bluetooth broadcaster (optional) enables remote control and monitor of your lab equipment through your mobile device within Bluetooth-enabled area.
- Practical external controller (optional). Intuitive and easy control with colour touch LCD. It enables convenient and safe external control without opening the sash of the fume hood or safety cabinet.
- Built-in USB port for external control and data collection. Useful for PC control and data management task. Software CD and USB cable are provided as standard.
- Compact and slim head design for diverse flexibility in configuring other test equipment and accessories (optional).

#### Safety:

- Sturdy aluminium main body efficiently absorbing and emitting the heat generated by the motor.
- Safety features against overloading and overheating for continuous operation. When it comes to heavy workload, it tries to activate best effort function. But if it determines that performing the work is harmful for it, then it stops stirring. Equipped with a mini fan inside to minimize overheating of the motor.
- Separated adapter from the main body minimizes the risks of electrical hazards to the users.
- Screen lock function prevents accidental changes during operation.



## Specifications:

<b>Speed Control</b>		PID feedback control
<b>Speed Range (rpm)</b>		50 to 1,200
<b>Chuck Range (mm, Ø)</b>		3 to 10
<b>Max. Stirring Capacity (litres, H<sub>2</sub>O)</b>		100
<b>Max. Viscosity (cP)</b>		5000 (1200rpm) 10,000 (1200rpm) 30,000 (1200rpm) 50,000 (700rpm)
<b>Max. Torque (N-cm)</b>		41.6
<b>Motor Rating Input/Output (W)</b>		71
<b>Material(s)</b>	<b>Body</b>	Powder coated aluminium
	<b>Cover</b>	Polypropylene
	<b>Motor</b>	BLDC
<b>Dimensions</b>	<b>Overall (w x d x h)</b>	80 x 185 x 235mm
	<b>Net Weight (kg)</b>	3.1
<b>Protection Class (DIN EN 60529)</b>		IP30
<b>Electrical Requirements</b>		AC 100 to 240V, 50/60Hz with power adapter
<b>Power Consumption (W)</b>		1.5A

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