



# Overhead Stirrer AS-100



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Aditya Scientific Overhead Stirrer AS-100 is a laboratory device which is used for mixing, homogenizing, suspending, and recirculating large volumes of high-viscosity substances, which typically can't be handled by a magnetic stirrer. Our overhead stirrers are suitable for simple lab stirring application as well as for stirring application in a jacketed reactor.

#### Points you should consider before buying an overhead stirrer:

- a) Stirring Speed
- b) Volume
- c) Torque
- d) Viscosity
- e) Option of reversible direction of stirrer
- f) Safety of operation

Determining the above key criteria will narrow your options to select the overhead stirrer that is best suited to your needs.

An overhead stirrer is a simple and useful piece of equipment in the lab, but incorrect use of this equipment can lead to poor result and less longevity of your equipment. For better result and long efficient life of your overhead stirrer the following points to be noted:

- a) Use the right overhead stirrer for your application
- b) The overhead stirrer should be properly mounted
- c) The impeller should be properly locked in place
- d) The unit should be cleaned regularly



# PRODUCT DATASHEET



## Specifications

TECHNICAL DATA	MODEL AS-100
Power In/Out watt	100/90
Gears	2
Speed Range RPM	0 - 1000
Change of Direction	Yes
Rotation Speed Indicator	Digital
Speed Control	Electronic
Max. Torque	300 Ncm
Overload Protection	Yes / Cut off
Motor Protection	Temperature Monitor Software
Max. Viscosity	200000 mPas
Interface	RS485 (optional)
Max. Volume H <sub>2</sub> O	80 L
Duty Cycle	Continuous
Timer	Yes
Stirrer Shaft Max. Dia	10.5 mm
Dimension of Device	70mm x 200mm x 120mm
Support Rod Dimension	Ø12mm x 160mm
Protection Class	IP 54
Electrical Supply	230V AC / 50 Hz