Compact Overhead Stirrer - Lab Mixer - 30-2200 rpm - 20 L Volume

Model **MSOHS-50SWISS** | Brand **Master Science**





The Master Science Compact Overhead Stirrer is sized for everyday bench mixing of batches up to 20 L. It handles samples up to 10000 mPa·s, which covers most solutions, suspensions and light emulsions found in research and QC labs.

KEY HIGHLIGHTS

- Right size for routine work
- Low power use
- Constant speed
- Protected motor
- Quick shaft change

AT A GLANCE

30 to 2200 rpm SPEED RANGE	**20 L** MAXIMUM MIXING VOLUME (WATER)
60 W / 50 W INPUT / OUTPUT POWER	**1 to 9999 min** TIMER

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

Speed is set between 30 and 2200 rpm and shown on an LCD together with the remaining run time. The stirrer draws only 60 W.

Key Benefits

Right size for routine work
the Master Science Compact Overhead Stirrer covers batches up to 20 L.

Low power use
60 W input.

Constant speed
torque follows the change in sample viscosity.

Protected motor
stops and shows a fault on overload or short circuit.

Quick shaft change
the propeller shaft slides through the chuck.

For larger or thicker batches, see the Master Science 40 L laboratory overhead stirrer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSOHS-50SWISS
SKU	MSOHS-50SWISS
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Model Number	MSOHS-50SWISS
SKU	MSOHS-50SWISS
Maximum Mixing Volume (water)	20 L
Speed Range	**30 to 2200 rpm**
Speed Accuracy	**±1 rpm**
Speed Adjustment	Coarse and fine
Timer	1 to 9999 min
Maximum Torque	40 N·cm
Maximum Viscosity	10000 mPa·s
Motor	Brushless DC
Overload and Motor Protection	Fault shown on display, automatic stop
Safety	Chuck protective cover, anti-slip pad
Power Supply	100 to 240 V, 50/60 Hz

DISPLAY & DATA	
Speed Display	LCD
Input / Output Power	60 W / 50 W

ENVIRONMENT	
Protection Class	IP42
Ambient Conditions	5 to 40 °C, 80 % RH

DIMENSIONS & WEIGHT	
Instrument Dimensions	315 × 200 × 780 mm
Net / Gross Weight (instrument)	4.4 kg / 6.5 kg
Net / Gross Weight (set)	7 kg / 12.4 kg

COMMON LABORATORY PROBLEMS AND HOW THIS STIRRER HELPS	
Common Laboratory Problems and How This Stirrer Helps	Problems the Master Science Compact Overhead Stirrer solves in daily use:
Stir bars decouple in suspensions	direct shaft drive keeps mixing steady.
No record of mixing time	the built-in timer runs up to 9999 min.
Unattended runs and overloads	the motor shuts down safely.
Limited bench space	compact head on a single stand.

The Master Science Compact Overhead Stirrer is used in

- **University and research laboratories**
- **Pharmaceutical and cosmetic product development**
- **Food and beverage testing**
- **Paint, coating and chemical QC**
- **Biology sample preparation**

Motor and Speed

- Brushless DC motor for long running
- 30 to 2200 rpm, ±1 rpm
- 40 N·cm torque

Display and Timer

- LCD with speed and time
- Timer from 1 to 9999 min
- Time can be changed while running

Protection

- Automatic stop with fault display
- Protective chuck cover
- Anti-slip pad

Standard Accessories Included

- Overhead stirrer unit

Optional Accessories

- Stirring propellers
- Support stands and square lifting clamp