Orbital Shaker - Large Platform Lab Shaker - 100-500 rpm - 7.5 kg Load - 10 mm Orbit

Model **MSSHK-O0710SWISS** | Brand **Master Science**





The Master Science Large Platform Orbital Shaker mixes flasks, bottles and other vessels with a 10 mm circular motion at 100 to 500 rpm. It carries up to 7.5 kg including the platform and works with a wide range of accessories.

KEY HIGHLIGHTS

- Large loads
- No motor service
- Clear settings
- Safe running
- Remote operation

AT A GLANCE

100 to 500 rpm SPEED RANGE	**100 to 240 V, 50/60 Hz, 30 W** POWER SUPPLY
LCD, 1 min to 99 h 59 min TIMER	**LCD** SPEED DISPLAY

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Overview

Two LCDs show speed and time separately, and a maintenance-free brushless DC motor gives smooth, quiet running. An RS232 port allows remote control and data transfer from a PC.

Key Benefits

Large loads
the Master Science Large Platform Orbital Shaker carries up to 7.5 kg.

No motor service
brushless DC drive.

Clear settings
separate LCDs for speed and timer.

Safe running
over-speed detection and protection.

Remote operation
RS232 for PC control.

For mixing in a single beaker, see the Master Science laboratory magnetic stirrer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSSHK-O0710SWISS
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Motion	Orbital, 10 mm diameter
Maximum Load (with platform)	7.5 kg
Speed Range	**100 to 500 rpm**
Motor	Brushless DC, 28 W input / 15 W output
Timer	LCD, 1 min to 99 h 59 min
Protection	Over-speed detection
Power Supply	100 to 240 V, 50/60 Hz, 30 W

DISPLAY & DATA	
Speed Display	LCD
Data Interface	RS232 (PC control and data transfer)

DIMENSIONS & WEIGHT	
Dimensions (W × D × H)	610 × 520 × 230 mm

ENVIRONMENT	
Protection Class	IP21
Ambient Conditions	5 to 40 °C, 80 % RH

COMMON LABORATORY PROBLEMS AND HOW THIS SHAKER HELPS	
Common Laboratory Problems and How This Shaker Helps	How the Master Science Large Platform Orbital Shaker improves shaking tasks:
Too many flasks for a small shaker	7.5 kg platform load.
Worn motor brushes	brushless motor.
Runs left too long	built-in timer.
No record of settings	RS232 data output.

Applications

The Master Science Large Platform Orbital Shaker is used for: Shaking flasks and bottles Mixing and dissolving solutions Culture flasks in research labs Plates and tubes with suitable platforms General laboratory shaking

Motion

- 10 mm orbit
- 100 to 500 rpm
- 7.5 kg capacity

Control

- Dual LCD for speed and time
- Timer up to 99 h 59 min
- RS232 remote control

Drive

- Brushless DC motor
- Over-speed protection
- IP21 housing

Optional Accessories

- Platforms and clamps from a wide range of accessories