High-Speed Microplate Shaker, 2 Plates, 200-2000 rpm, 2 mm Orbit, Deep-Well Compatible

Model **MSSHK-M2000SWISS** | Brand **Master Science**





The High-Speed Microplate Shaker mixes two plates at a time at 200 to 2000 rpm on a 2 mm orbit. It holds ELISA plates (96 and 384-well), deep-well plates and cell culture plates (24, 48 and 96-well), and plates mount and release quickly without tools.

KEY HIGHLIGHTS

- Up to 2000 rpm
- Deep-Well Ready
- Tool-Free Plate Change
- Maintenance-Free Drive

AT A GLANCE

200-2000 rpm SPEED RANGE	**2 plates** SAMPLE CAPACITY
45 W POWER	**1 min - 99 h 59 min, or continuous** TIMER

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

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Overview

A direct-drive brushless DC motor under microprocessor control runs with low noise and needs no maintenance. The High-Speed Microplate Shaker shows status and parameters on an LCD in real time, has a built-in status indicator light, and sounds an alarm when the timer ends or a fault is detected.

For four-plate batches at up to 1500 rpm, see our Brushless Microplate Shaker, a companion to the High-Speed Microplate Shaker.

Small-volume plate work often runs into the issues below. The High-Speed Microplate Shaker handles each one.

Key Benefits

Up to 2000 rpm
Higher top speed with a tight 2 mm orbit gives strong mixing in small wells.

Deep-Well Ready
Holds deep-well plates as well as standard microplates.

Tool-Free Plate Change
A special fixing method lets plates be fitted and removed quickly.

Maintenance-Free Drive
The brushless DC motor runs quietly with little interference.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSSHK-M2000SWISS
SKU	MSSHK-M2000SWISS
Sample Capacity	**2 plates**
Compatible Plates	96/384-well ELISA plates, deep-well plates, 24/48/96-well cell culture plates
Speed Range	**200-2000 rpm**
Speed Step	10 rpm
Mixing Orbit	2 mm
Timer	1 min - 99 h 59 min, or continuous
Motor	Direct brushless DC motor
Display	LCD, real-time status and parameters
Status Indicator Light	Yes
Alarms	End-of-timer alarm; automatic fault detection with buzzer
Power	45 W
Input Voltage	DC 24 V, 2 A
Dimensions (L × W × H)	294 × 200 × 107 mm
Net / Gross Weight	3.8 kg / 4.7 kg
Shipping Size (L × W × H)	360 × 310 × 230 mm

PROBLEMS THE HIGH-SPEED MICROPLATE SHAKER SOLVES	
Poor mixing in small wells at low speed	Speed reaches 2000 rpm on a 2 mm orbit.
Deep-well plates do not fit standard shakers	Deep-well plates are supported.
Plate changes need tools	Plates fix and release without tools.
Missed end of run	An alarm sounds when the timer ends.
Unclear device state from across the bench	A built-in status light shows the condition at a glance.

Applications

- **ELISA mixing and incubation steps**
- **Deep-well plate mixing for sample preparation**
- **Cell culture plate agitation**
- **Magnetic bead resuspension in plates**
- **Reagent mixing before plate reading**

Motion

- 200-2000 rpm in 10 rpm steps
- 2 mm mixing orbit
- Direct brushless DC motor, low noise, maintenance-free

Plate Handling

- Holds 2 standard microplates or deep-well plates
- 96/384-well ELISA and 24/48/96-well culture plates
- Tool-free plate fixing for quick changes

Control and Alarms

- LCD with real-time status and parameters
- Timer 1 min to 99 h 59 min or continuous
- Built-in status indicator light
- Alarm at end of timing; fault detection with buzzer

Standard Accessories Included

- Microplate shaker main unit

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.