Brushless Microplate Shaker, 4 Plates, 200-1500 rpm, 3 mm Orbit, Knob Control

Model **MSSHK-M4IISWISS** | Brand **Master Science**





The Brushless Microplate Shaker is a high-speed plate shaker for ELISA plates (96 and 384-well) and tissue culture plates (24, 48 and 96-well). Its platform holds four plates at once and moves them on a 3 mm orbit at 200 to 1500 rpm.

KEY HIGHLIGHTS

- Four Plates per Run
- Fine Speed Setting
- Low-Maintenance Drive
- Fault Warning

AT A GLANCE

200-1500 rpm SPEED RANGE	**4 plates** SAMPLE CAPACITY
45 W POWER	**1 min - 99 h 59 min** TIMER

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

A brushless DC motor with microprocessor control gives stable, reliable shaking. The Brushless Microplate Shaker is set with a single push-and-turn knob, shows status and parameters on an LCD, and sounds a buzzer alarm when its automatic fault detection finds a problem.

For single-plate setups with a classic keypad, see our Digital Microplate Shaker, a sister model of the Brushless Microplate Shaker.

Labs running many plates meet the issues below. The Brushless Microplate Shaker answers each one.

Key Benefits

Four Plates per Run
The platform holds four plates, so a full assay batch mixes together.

Fine Speed Setting
Speed adjusts in 10 rpm steps between 200 and 1500 rpm.

Low-Maintenance Drive
The brushless DC motor gives stable shaking without brush wear.

Fault Warning
Automatic fault detection triggers a buzzer alarm.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSSHK-M4IISWISS
SKU	MSSHK-M4IISWISS
Speed Range	**200-1500 rpm**
Speed Step	10 rpm
Mixing Orbit	3 mm
Timer	1 min - 99 h 59 min
Sample Capacity	**4 plates**
Compatible Plates	96/384-well ELISA plates; 24/48/96-well tissue culture plates
Motor	Brushless DC motor
Control	Microprocessor, one-touch knob
Display	LCD showing status and parameters
Alarm	Automatic fault detection with buzzer
Power	45 W
Power Supply	AC 100-240 V, 50/60 Hz
Dimensions	280 × 270 × 110 mm
Weight	4.0 kg

PROBLEMS THE BRUSHLESS MICROPLATE SHAKER SOLVES	
Only one plate fits on many shakers	This shaker mixes four plates per run.
Coarse speed settings	Speed adjusts in 10 rpm increments.
Motor brush wear in daily use	A brushless DC motor drives the platform.
Faults go unnoticed during long runs	Automatic fault detection sounds a buzzer alarm.
Complicated menus slow setup	One knob sets every parameter.

Applications

ELISA incubation and mixing steps

Immunoassays in 96 and 384-well plates

Tissue culture plate agitation

Reagent mixing in deep-well and standard plates

Staining procedures in microplates

Drive and Motion

- Brushless DC motor with microprocessor control
- 3 mm mixing orbit
- 200-1500 rpm in 10 rpm steps

Capacity

- Holds 4 plates
- 96/384-well ELISA plates
- 24/48/96-well tissue culture plates

Operation and Safety

- One-touch knob for all settings
- LCD shows system status and parameters
- Timer from 1 min to 99 h 59 min
- Automatic fault detection with buzzer alarm

Standard Accessories Included

- Microplate shaker main unit

Optional Accessories

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