Digital Microplate Shaker, 200-1500 rpm, 3 mm Orbit, ELISA and Cell Culture Plates

Model **MSSHK-M4SWISS** | Brand **Master Science**









The Digital Microplate Shaker mixes the contents of ELISA plates (96 and 384-well) and cell culture plates (24, 48 and 96-well) with a small 3 mm horizontal orbit. Speed is adjustable from 200 to 1500 rpm, covering gentle mixing through vigorous agitation for immunoassay and staining steps.

KEY HIGHLIGHTS

- Wide Speed Window
- Steady, Quiet Motion
- Secure Plates
- Long Unattended Runs

AT A GLANCE

200-1500 rpm
SPEED RANGE

0-99 h 59 min
TIMER

PID control keeps the set speed steady.
SPEED DRIFTS DURING LONG INCUBATIONS

A 3 mm orbit mixes plate wells without spilling.
LARGE-ORBIT SHAKERS SPLASH SMALL WELL VOLUMES

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

PID control holds the set speed steady and keeps operation quiet, and four rubber buffers at the corners of the platform keep the plates stable while shaking. The Digital Microplate Shaker shows settings on an LCD display and includes a timer up to 99 h 59 min.

After mixing, read your plates on our ELISA Microplate Reader with Monochromator, a natural partner for the Digital Microplate Shaker.

Plate mixing by hand or on a general-purpose shaker causes the issues below. The Digital Microplate Shaker handles each one.

Key Benefits

Wide Speed Window
200 to 1500 rpm suits both gentle incubation mixing and fast resuspension.

Steady, Quiet Motion
PID speed control keeps rotation stable with low noise.

Secure Plates
Four corner rubber buffers hold the plates firmly during shaking.

Long Unattended Runs
The timer runs up to 99 h 59 min.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSSHK-M4SWISS
SKU	MSSHK-M4SWISS
Speed Range	**200-1500 rpm**
Orbit (Amplitude)	3 mm, horizontal rotation
Speed Control	PID
Timer	0-99 h 59 min
Display	LCD
Compatible Plates	96/384-well ELISA plates; 24/48/96-well cell culture plates
Power Supply	AC 100-230 V, 50/60 Hz, via power adapter
undefined	Max. Power: 45 W
Dimensions (W × D × H)	280 × 278 × 126 mm
Net / Gross Weight	5.7 kg / 6.5 kg
Shipping Size (L × W × H)	420 × 420 × 280 mm

PROBLEMS THE DIGITAL MICROPLATE SHAKER SOLVES

Large-orbit shakers splash small well volumes	A 3 mm orbit mixes plate wells without spilling.
Speed drifts during long incubations	PID control keeps the set speed steady.
Plates slide on the platform	Corner rubber buffers keep plates in place.
Runs must be stopped by hand	The timer stops shaking after up to 99 h 59 min.

Applications

- **ELISA and other immunoassay incubation steps**
- **Mixing reagents in 96 and 384-well plates**
- **Cell culture plate agitation**
- **Staining and destaining in plates**
- **Sample resuspension before plate reading**

Motion

- Horizontal orbital motion with 3 mm amplitude
- Speed adjustable from 200 to 1500 rpm
- PID speed control for stable, quiet running

Platform

- Holds 96/384-well ELISA plates
- Holds 24/48/96-well cell culture plates
- Four rubber buffers at the corners for stable shaking

Control

- LCD display with simple keypad
- Timer from 0 to 99 h 59 min
- Powered through an external power adapter

Standard Accessories Included

- Microplate shaker main unit
- Power adapter

Optional Accessories

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