Digital Orbital Shaker 800 rpm, 4 mm Orbit, 2.5 kg Load, Brushless Motor with RS232 Lab Shaker

Model **MSSHK-O0204SWISS** | Brand **Master Science**





The Master Science Digital Orbital Shaker 800 rpm runs from 100 to 800 rpm on a small 4 mm orbit, giving fast, even mixing for flasks, tubes and plates on suitable platforms. It carries up to 2.5 kg including the platform and works with a wide range of accessories.

KEY HIGHLIGHTS

- High speed range
- Clear readouts
- Low upkeep
- PC connection

AT A GLANCE

100-800 rpm SPEED RANGE	**Up to 800 rpm on a 4 mm orbit.** SLOW MIXING OF SMALL VOLUMES
28 W / 15 W MOTOR INPUT / OUTPUT POWER	**1 min to 19 h 59 min** TIMER RANGE

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

support@themsci.com
www.themsci.com

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Overview

Two LCD screens show speed and time separately, with a timer from 1 min to 19 h 59 min. A maintenance-free brushless DC motor, overspeed protection and an RS232 port for PC control and data transfer make it suitable for routine and documented work.

> For heavier loads, see our Large Platform Orbital Shaker, 7.5 kg, a higher-capacity option than the Digital Orbital Shaker 800 rpm.

Key Benefits

High speed range
Up to 800 rpm for vigorous mixing in small vessels.

Clear readouts
Separate LCDs for speed and time.

Low upkeep
Brushless DC motor needs no brush changes.

PC connection
RS232 remote function for control and data transfer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSSHK-O0204SWISS
SKU	MSSHK-O0204SWISS
Orbital Diameter	4 mm
General	Max. Load (with platform): 2.5 kg
Motor	Brushless DC motor
Speed Range	**100-800 rpm**
Timer Range	**1 min to 19 h 59 min**

DISPLAY & DATA	
Motor Input / Output Power	28 W / 15 W
Speed Display	LCD
Timer Display	LCD
Data Connector	RS232

POWER	
Voltage	100-240 V, 50/60 Hz
Power	30 W

DIMENSIONS & WEIGHT	
Weight	8.1 kg
Dimensions (W x D x H)	300 x 340 x 100 mm

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

WHERE IT HELPS DAY TO DAY	
Slow mixing of small volumes	Up to 800 rpm on a 4 mm orbit.
Uncertain run times	Built-in timer with separate display.
Motor wear	Brushless motor design.
Need to log runs	RS232 data transmission to a PC.

Use

- **Load capacity 2.5 kg with platform**
- **Works with a wide range of accessories**
- **Wide voltage input 100-240 V**

Applications

The Digital Orbital Shaker 800 rpm is used for

Mixing samples in flasks, tubes and plates Routine shaking in biology and chemistry labs Runs that need timed, repeatable shaking Work that needs PC control or data logging

Drive

- Maintenance-free brushless DC motor
- 4 mm orbit
- 100-800 rpm speed range
- Overspeed detection and protection

Control

- Dual LCDs for independent speed and time display
- Timer up to 19 h 59 min
- RS232 remote PC control and data output

Optional Accessories

- Platforms and holders (various accessories)