96-Channel Liquid Handling Workstation - Automated Pipetting - 5-200 µL - 96/384 Well

Model **MSLHW-M96-2004SSWISS** | Brand **Master Science**





The Master Science 96-Channel Liquid Handler is a benchtop automated pipetting workstation that aspirates and dispenses in all 96 channels at once. Work that takes many repeated strokes with an 8-channel pipette is done in a single move, more than 12 times faster.

KEY HIGHLIGHTS

- Much faster plate work
- Consistent results
- Less operator strain
- Fits existing hoods
- Easy programming

AT A GLANCE

885 × 285 × 445 mm	710 × 380 × 610 mm
DIMENSIONS (L × W × H)	PACKAGE DIMENSIONS

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

support@themsci.com
www.themsci.com

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Overview

Runs are set up and started from an external tablet. Basic pipetting, serial dilution and gradient dilution modes are built in, and the deck and pipetting head move automatically for hands-free operation.

Key Benefits

Much faster plate work
the Master Science 96-Channel Liquid Handler fills a 96-well plate in one stroke.

Consistent results
CV ≤ 2.0 % across channels.

Less operator strain
no repetitive manual pipetting.

Fits existing hoods
compact enough for biosafety cabinets and laminar flow hoods.

Easy programming
unlimited experiment lists on the tablet.

For manual work, see the Master Science laboratory instrument range.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSLHW-M96-2004SSWISS
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Model Number	MSLHW-M96-2004SSWISS
SKU	MSLHW-M96-2004SSWISS
Pipetting Head	96 channels
Technical Principle	Air displacement
Pipetting Volume	5 to 200 µL
Dispensing Precision	±1.0 % at 200 µL and 100 µL; ±2.0 % at 20 µL; ±5.0 % at 5 µL
Dispensing Accuracy	**CV ≤ 2.0 %**
Resolution	0.1 µL
Plate Format	SBS plates, 96-well or 384-well
Plate Positions	4
Control	External tablet computer
Internal Voltage	24 V (from 220 V AC)

DIMENSIONS & WEIGHT	
Dimensions (L × W × H)	885 × 285 × 445 mm
Net / Gross Weight	28 kg / 42.3 kg
Package Dimensions	710 × 380 × 610 mm

COMMON LABORATORY PROBLEMS AND HOW THIS WORKSTATION HELPS	
Common Laboratory Problems and How This Workstation Helps	How the Master Science 96-Channel Liquid Handler improves high-throughput pipetting:
Hours of repetitive pipetting	all 96 wells handled at once.
Well-to-well variation	air displacement head with CV ≤ 2.0 %.
Pipetting errors in dilution series	preset dilution programs.
Repetitive strain injuries	automation removes manual strokes.

Applications

The Master Science 96-Channel Liquid Handler supports
ELISA and plate-based assays PCR and qPCR plate setup Serial dilution and compound screening Plate replication and reformatting Cell-based assay preparation

Pipetting Module

- 96-channel air displacement head
- Sealed channels for whole tip box loading and ejection
- 5 to 200 µL range

Automation

- One-click workflow transfer
- Automatic head and deck movement
- Serial and gradient dilution modes

Safety and Size

- 24 V internal electronics
- Compact footprint for hoods and cabinets
- Four SBS plate positions

Optional Accessories

- Compatible pipette tips for 96-channel head