Electronic Single-Channel Pipette 0.5-1000 µL, Motorized Digital Micropipette with Li-ion Battery

Model **MSDPIPESWISS,MSDPIPE+SWISS** | Brand **Master Science**





The Master Science Electronic Single-Channel Pipette replaces thumb-driven plunger work with a stepper motor, so every aspiration and dispense follows the same stroke. That removes most of the user-to-user variation you get with manual pipettes, and it takes strain off the hand during long runs.

KEY HIGHLIGHTS

- Repeatable strokes
- Less hand fatigue
- Pick the right feature set
- Traceable from day one

AT A GLANCE

0.5-10 µL, 5-50 µL, 30-300 µL, 100-1000 µL	Adjustable aspiration and dispensing speed
VOLUME RANGES	SPEED

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

support@themsci.com
www.themsci.com

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Overview

Two versions are offered. The basic model handles pipetting and mixing. The plus model adds stepper (repeat) dispensing and dilution. Four volume ranges cover 0.5 µL up to 1000 µL, and each unit ships with an individual ISO 8655 calibration certificate.

Figures below come from the manufacturer test table for the Master Science Electronic Single-Channel Pipette.

For lower-cost manual work alongside the Master Science Electronic Single-Channel Pipette, see our adjustable single-channel micropipettes.

The Master Science Electronic Single-Channel Pipette fits most routine liquid handling where volume consistency matters:

Manual pipetting causes trouble that shows up later in the data. The Master Science Electronic Single-Channel Pipette targets the common ones:

Key Benefits

Repeatable strokes
The motor sets the piston travel, so results depend far less on who is holding the Master Science Electronic Single-Channel Pipette.

Less hand fatigue
Light body and button control mean no hard plunger presses through a full plate.

Pick the right feature set
Choose the basic model for routine transfers, or the plus model when you need repeat dispensing and dilution.

Traceable from day one
Each unit arrives with its own ISO 8655 calibration certificate for your quality records.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSDPIPESWISS,MSDPIPE+SWISS
SKU	MSDPIPESWISS,MSDPIPE+SWISS
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SKU	MSDPIPESWISS, MSDPIPE+SWISS
Channels	1
Volume ranges	**0.5-10 µL, 5-50 µL, 30-300 µL, 100-1000 µL**
Increment	0.01 µL / 0.1 µL / 1 µL / 5 µL (by range)
Systematic error at max volume	±1.0% (10 µL), ±0.8% (50 µL), ±0.6% (300 µL), ±0.6% (1000 µL)
Random error at max volume	≤0.5% (10 µL), ≤0.3% (50 µL), ≤0.2% (300 µL), ≤0.2% (1000 µL)
Drive	Stepper motor
Operation	2 buttons
Modes (basic model)	Pipetting, mixing
Modes (plus model)	Pipetting, mixing, stepper dispensing, dilution
Speed	Adjustable aspiration and dispensing speed
Calibration	Self calibration; individual ISO 8655 certificate supplied
Power	Li-ion battery, dual charging modes

PROBLEMS THE MASTER SCIENCE ELECTRONIC SINGLE-CHANNEL PIPETTE HELPS SOLVE	
Operator variation	Different thumb pressure gives different volumes; motor drive keeps strokes the same.
Repetitive strain	Hundreds of plunger presses a day wear on the hand; button control reduces that load.
Slow multi-dispensing	Refilling for every well wastes time; stepper mode on the plus model dispenses several aliquots from one draw.
Calibration paperwork	A supplied individual certificate gives auditors a starting record.

Applications

PCR and qPCR reaction setup

ELISA and other plate-based assays

Serial dilutions (plus model)

Aliquoting reagents and samples with stepper mode (plus model)

Cell culture media handling

Clinical and teaching laboratories

Motor and accuracy

- Stepper motor drive for consistent piston travel
- Systematic error down to ±0.6% at full volume on the larger ranges
- Self calibration function

Controls and display

- Two buttons cover all settings
- Function display shows mode, volume and speed
- Adjustable aspiration and dispensing speed

Ergonomics and power

- Light, compact body for easy handling
- Li-ion battery with two charging options for longer working time

Standard Accessories Included

- Electronic single-channel pipette
- Individual ISO 8655 calibration certificate