Electronic Bottle Top Dispenser 0.1-99.9 mL, Digital Reagent Dispenser with 100 µL Resolution

Model **MSDDISPSWISS** | Brand **Master Science**





The Master Science Electronic Bottle Top Dispenser takes the hand pumping out of reagent dosing. A motor drives the piston, and volumes from 0.1 mL to 99.9 mL are entered digitally in 100 µL steps.

KEY HIGHLIGHTS

- No hand fatigue
- Steady bottle, steady results
- Two ways to dose
- Fine volume steps

AT A GLANCE

0.1-99.9 mL VOLUME RANGE	**10-30°C** OPERATING TEMPERATURE
R = ±30 µL at 10 mL; CV = ±10 µL at 10 mL ACCURACY, DISPENSER MODE	

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Control sits on a separate panel, so pressing a key does not jolt the bottle or the delivery tube. Two modes are available: continuous dispensing for single volumes and a stepper mode for dosing a series. Volume performance is checked according to DIN EN ISO 8655.

If you prefer a manual model with a mechanical volume lock, see our bottle top dispenser 0.5-100 mL alongside the Master Science Electronic Bottle Top Dispenser.

Manual dispensers work, but they have limits on busy benches. The Master Science Electronic Bottle Top Dispenser answers the common complaints:

Key Benefits

No hand fatigue
The Master Science Electronic Bottle Top Dispenser is motor driven, so long dosing runs need only a key press.

Steady bottle, steady results
The remote panel keeps your hand off the dispenser while it works.

Two ways to dose
Use continuous mode for one-off volumes or stepper mode for a series of equal aliquots.

Fine volume steps
Set any volume from 0.1 to 99.9 mL in 100 µL increments.

Technical Specifications

PUBLISHED DATA FOR THE MASTER SCIENCE ELECTRONIC BOTTLE TOP DISPENSER	
Brand	Master Science
Model Number	MSDDISPSWISS
SKU	MSDDISPSWISS
Brand	Master Science
Model	MSDDISPSWISS
SKU	MSDDISPSWISS
Volume range	**0.1-99.9 mL**
Max piston lift	10 mL
Resolution	100 µL
Accuracy, dispenser mode	**R = ±30 µL at 10 mL; CV = ±10 µL at 10 mL**
Accuracy, stepper mode	**R = ±6 µL at 1 mL; CV = ±9 µL at 1 mL**
Operation modes	Traditional (continuous) dispensing; stepper dispensing
Control type	External control panel
Operating temperature	10-30°C
Quality control	DIN EN ISO 8655

DOSING PROBLEMS THE MASTER SCIENCE ELECTRONIC BOTTLE TOP DISPENSER REMOVES	
Tired hands on long runs	Motor drive replaces repeated pumping.
Volume drift from handling	Remote control avoids knocking the dispenser during use.
Slow aliquoting	Stepper mode doses a series without resetting each time.
Coarse settings	100 µL resolution gives finer control over the delivered volume.

Applications

The Master Science Electronic Bottle Top Dispenser suits repetitive dosing jobs such as: Adding reagents for titration and sample preparation Dispensing solvents and buffers in analytical labs Filling series of tubes or flasks with equal volumes Media preparation in microbiology QC labs with high sample throughput

Digital dosing

- Volume range 0.1-99.9 mL
- 100 µL resolution, 10 mL max piston lift
- Electronic control for fatigue-free operation

Modes

- Traditional dispensing for continuous delivery
- Stepper function for dispensing series

Control and quality

- External control panel avoids disturbing the set-up
- Performance verified to DIN EN ISO 8655
- Operating range 10-30°C

Standard Accessories Included

- Electronic bottle top dispenser
- External control panel