

Single Channel Adjustable Electronic Micropipette

Item Number: YY01



Introduction

Rechargeable single channel electronic micropipette with adjustable volume, ergonomic lightweight design, LCD operation, variable aspiration and dispensing speeds, and high accuracy for consistent laboratory liquid handling across battery research, materials science, analytical testing, and routine sample preparation workflows.

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Application	Description	Key Benefit
Battery Research Sample Preparation	Transfer electrolytes, reagents, and prepared liquid samples during battery material and cell-development experiments.	Supports controlled volumes and parallel sample preparation across repeated tests.
Advanced Materials Research	Handle liquid precursors, dispersions, and laboratory solutions used in materials development and characterization workflows.	Broad volume coverage allows one instrument family to support multiple experimental scales.
Analytical Testing	Prepare dilutions, standards, and test solutions where accurate volume transfer affects the quality of analytical results.	High accuracy and precision help reduce variation between prepared samples.
Academic Laboratory Instruction	Provide students and researchers with an electronic pipetting system that retains familiar manual-pipette operating logic.	The large LCD and combination knob make routine operation straightforward to learn.
Low-Volume Reagent Transfer	Transfer small quantities using the 0.5-10 uL configuration and its 0.01 uL increment.	Fine resolution supports controlled handling of limited-volume reagents and samples.
General Laboratory Sample Handling	Perform repeated aspiration and dispensing tasks across common laboratory preparation procedures.	Adjustable speeds and rechargeable operation improve workflow flexibility and convenience.
High-Volume Laboratory Transfer	Use the 100-1000 uL configuration for larger reagent, buffer, or sample transfers.	The highest available range reduces the need to divide larger transfers into multiple operations.

Product Identifier	YY01
Product Type	Electronic single channel adjustable micropipette
Power Source	Rechargeable lithium battery
Display	Large LCD screen positioned on the pipette body
Operating Control	Combination knob; all operations can be completed through the combination knob
Aspiration Speed	Adjustable
Dispensing Speed	Adjustable
Design	Ultralight, streamlined, ergonomically shaped
Accuracy and Precision	High accuracy and precision for accurate and parallel pipetting

Available Volume Range	Increment	Measurement Volume (uL)	Maximum Systematic Error, Accuracy (uL)	Maximum Systematic Error, Accuracy (%)	Maximum Random Error, Precision, s.d. (uL)	Maximum Random Error, Precision, CV (%)
0.5-10 uL	0.01 uL	10	±0.10	±1.0	±0.035	±3.5

Available Volume Range	Increment	Measurement Volume (uL)	Maximum Systematic Error, Accuracy (uL)	Maximum Systematic Error, Accuracy (%)	Maximum Random Error, Precision, s.d. (uL)	Maximum Random Error, Precision, CV (%)
0.5-10 uL	0.01 uL	1	±0.05	±0.5	±0.03	±3.0
5-50 uL	0.1 uL	50	±0.40	±0.8	±0.15	±3.0
5-50 uL	0.1 uL	5	±0.15	±0.3	±0.125	±2.5
30-300 uL	1 uL	300	±1.8	±0.6	±0.9	±3.0
30-300 uL	1 uL	30	±0.6	±0.2	±0.21	±0.7
100-1000 uL	5 uL	1000	±6.0	±0.6	±3.0	±3.0
100-1000 uL	5 uL	100	±2.0	±0.2	±0.6	±0.6