



Liquid Handling Products



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Iris is glad to announce the launch of modern development in electronic pipetting, with single and multichannel pipettes. The Electronic Micropipette

EPS+family are the most technically and ergonomically advanced pipettes to date, which raise the bar on pipetting for both comfort and performance.

1. **Pipetting modes:** Standard mode, Stepper mode, Dilution mode, and Calibration mode
2. **Variable Working Speeds:** Speed can be selected on a scale of 1-5
3. **Volume Selection:** Easy volume selection by 'UP' & 'DOWN' keys.
4. **Large Fire Button:** Single 'FIRE BUTTON' for filling and dispensing.
5. **Large Liquid Crystal Display:** Two-line Alphanumeric LCD.
6. **Built-in streamlined tip ejector:** For taken easy tip ejection and access to narrow naked bottles.
7. **Calibration:** User-friendly calibration mode facilitates easy calibration.
8. **Battery:** 9V Ni-MH rechargeable batteries are used for 8 hours of operation with fully charged batteries.

Electronic Micropipette EPS Series

Electronic Micropipette EPS Series is a simple and self-calibrated electronic pipette connected to a PC via USB for calibration by the user with four different volume ranges. Allow users to generate programs on the device by letting the pipettes suit multiple application requirements for optimizing laboratory and research work with advanced functions for example provide an actual measurement of the sample, dilution, and enable mixing. Ergonomically designed with 2 buttons handle, portable and lightweight with great flexibility. Used to dispense sample measurement between 0.5 to 1000 μl with four different volume ranges. These electronic pipettes ease manual work for improving the ergonomics of micropipettes and involve disposable tips that come in contact with the liquid sample. The four standard dimensions of electronic pipettes correspond to 4 different disposable tips.



- Ergonomic, lightweight design and soft plunger movement reduce manual handling
- Fast and accurate volume setting, separate tip ejector and clear digital readout
- Provide the most accurate volume range, reliable, comfortable for extensive pipetting
- Supplied with a calibration certificate of quality
- High accuracy, high-performance stepper motor ensures accuracy and repeatability, eliminating manual pipetting errors
- A motor-driven digital control pipette with multifunction
- 2 buttons handle all operational settings
- Lightweight, ergonomic design, small body dimension for easy handling that guarantees fatigue-free pipetting
- Pipetting, Mixing
- Adjustable speeds for aspiration and dispensing
- Li-ion battery and dual charging modes enable longer operation time
- Self-calibration connected to a PC via USB for calibration by the user

Model	Volume Range(μl)	Increment(μl)	Test Volume	Accuracy		SD (μl)	CV (%)	Catalogue No.
				(μl)	(%)			
EPS-10	0.5 to 10 μl	0.01 μl	10 μl	± 0.10	± 1.00	0.05	0.5	4006005-04
			1 μl	± 0.035	± 3.50	0.03	3	
EPS-50	5 to 50 μl	0.1 μl	50 μl	± 0.40	± 0.80	0.15	0.3	4006010-04
			5 μl	± 0.15	± 3.00	0.125	2.5	
EPS-300	30 to 300 μl	1 μl	300 μl	± 1.80	± 0.60	0.6	0.2	4006015-04
			30 μl	± 0.90	± 3.00	0.21	0.7	
EPS-1000	100 to 1000 μl	5 μl	1000 μl	± 6.00	± 0.60	2	0.2	4006020-04
			100 μl	± 3.00	± 3.00	0.6	0.6	

Electronic Micropipette EP Series

Electronic Micropipette EP Series is based on Stepper Motor with Microprocessor controlled piston movement. These are user friendly and offer effortless pipetting. Accuracy & Precision levels are very high and user-independent. This is a complete solution for every pipetting need.



- Pipetting modes: Standard mode, Stepper mode, Dilution mode, and Calibration mode
- Variable Working Speeds: Speed can be selected on a scale of 1-5
- Volume Selection: Easy volume selection by 'UP' & 'DOWN' keys.
- Large Fire Button: Single 'FIRE BUTTON' for filling and dispensing.
- Large Liquid Crystal Display: Two-line Alphanumeric LCD.
- Built-in streamlined tip ejector: For taken easy tip ejection and access to narrow naked bottles.
- Calibration: User-friendly calibration mode facilitates easy calibration.
- Battery: 9V Ni-MH rechargeable batteries are used for 8 hours of operation with fully charged batteries.

Model	Volume Range (µl)	Increment (µl)	Accuracy		CV		Catalogue No.
			(+%)	(±µl)	(±%)	(±µl)	
EP-10	0.2 - 10µl	0.05	1.2	0.12	0.8	0.08	4005505-04
EP-120	5 - 120µl	0.5	0.8	0.96	0.3	0.36	4005510-04
EP-300	20 - 300µl	1	0.8	2.4	0.3	0.9	4005515-04
EP-1000	50 - 1000µl	5	0.8	8	0.3	3	4005520-04
EP-5000	100 - 5000µl	10	0.8	40	0.3	15	4005525-04

Programmable Electronic Micropipette EPS+ Series

Programmable Electronic Micropipette EPS+ Series multifunctional electronic pipette with four different volume ranges. Allow users to generate programs on the device by letting the pipettes suit multiple application requirements for optimizing laboratory and research work with advanced functions for example provide the actual measurement of sample, dilution, and enable mixing. Ergonomically designed with 2 buttons handle, portable and lightweight with great flexibility. Used to dispense sample measurement between 0.5 to 1000 μl with four different volume ranges. These electronic pipettes ease manual work for improving the ergonomics of micropipettes and involve disposable tips that come in contact with the liquid sample. The four standard dimensions of electronic pipettes correspond to 4 different disposable tips.



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- Pipetting, Mixing, Stepper, and Dilution
- Adjustable speeds for aspiration and dispensing
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				(μl)	(%)			
EPS+10	0.5 to 10 μl	0.01 μl	10 μl	± 0.10	± 1.00	0.05	0.5	4006505-04
			1 μl	± 0.035	± 3.50	0.03	3	
EPS+50	5 to 50 μl	0.1 μl	50 μl	± 0.40	± 0.80	0.15	0.3	4006510-04
			5 μl	± 0.15	± 3.00	0.125	2.5	
EPS+300	30 to 300 μl	1 μl	300 μl	± 1.80	± 0.60	0.6	0.2	4006515-04
			30 μl	± 0.90	± 3.00	0.21	0.7	
EPS+1000	100 to 1000 μl	5 μl	1000 μl	± 6.00	± 0.60	2	0.2	4006520-04
			100 μl	± 3.00	± 3.00	0.6	0.6	

