



ISO 13485



ISO 17025

# Unique Features of AQUA Electronic Single Channel, Multi-Channel Pipette (8 & 12 Channel) and Variable Spacing Multi-Channel Pipette (4, 6, 8 & 12 Channel)



## EXTERNAL DETACHABLE RECHARGEABLE BATTERY

Ensures continuous usage and eliminates downtime during critical experiments with reliable power backup.



## STAINLESS STEEL TIP CONE

The 304 Grade SS tip cone offers high dimensional accuracy resulting in best tip fitment.



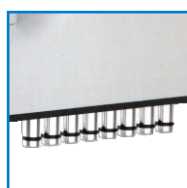
## SPEED SELECTION MODE

Users can select and adjust the pipetting speed from three options of Low (L), Medium (M) and High (H).



## INTERNAL MEMORY STORAGE

Users can store upto six programs in memory and reuse them as per their convenience.



## 4/6/8/12 CHANNEL VARIABLE SPACING PIPETTE

The variable spacing pipette covers 4.5 mm to 26 mm, reducing workload, saving time and improving reproducibility.



## COMFORTABLE GRASPING WITH ERGONOMIC DESIGN

This design ensures that users can comfortably hold device resulting in minimal strain and effort.



## LARGE EASY-TO-READ DISPLAY

1-inch tempered LCD glass adds a layer of protection against accidental impacts, scratches and chemical spills.



## VOLUME ADJUSTMENT WHEEL

It offers extremely fast volume setting, menu navigation and enables single-handed operation.



## 12 UNIQUE MODES OF OPERATIONS

Extensive range of pipetting modes eases workflow, gives the option to tailor protocols and define custom programs.



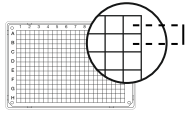
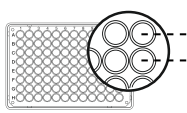
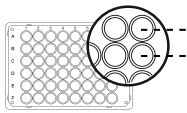
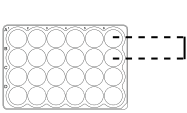
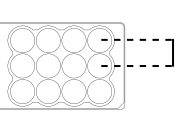
## SOFT KEYS FOR PROGRAMMING

Improves user experience and enables customised and efficient pipetting workflows.

# Specifications and Ordering Information Chart of AQUA Electronic Single Channel and Multi-Channel Pipette (8 & 12 Channel)

	Model No.	Vol. Range	Increment	Volume (µl)	Accuracy		CV	
					±%	±µl	±%	±µl
SINGLE CHANNEL	AQS-10	0.2-10µl	0.01µl	1	5.60	0.06	6.50	0.07
				5	1.50	0.08	1.50	0.08
				10	1.00	0.10	0.80	0.08
	AQS-20	0.5-20µl	0.1µl	2	4.00	0.08	4.50	0.09
				10	1.20	0.12	0.80	0.08
				20	1.00	0.20	0.50	0.10
	AQS-100	2-100µl	0.5µl	10	2.00	0.20	1.00	0.10
				50	0.80	0.40	0.30	0.15
				100	0.60	0.60	0.15	0.15
	AQS-200	5-200µl	0.5µl	20	2.50	0.50	1.00	0.20
				100	0.80	0.80	0.25	0.25
				200	0.60	1.20	0.20	0.40
	AQS-300	10-300µl	1µl	30	1.50	0.45	0.80	0.24
				150	0.60	0.90	0.20	0.30
				300	0.40	1.20	0.15	0.45
	AQS-500	10-500µl	2µl	50	1.60	0.80	0.70	0.35
				250	0.48	1.20	0.24	0.60
				500	0.40	2.00	0.16	0.80
	AQS-1000	50-1000µl	1µl	100	1.50	1.50	0.50	0.50
				500	0.50	2.50	0.20	1.00
				1000	0.40	4.00	0.15	1.50
	AQS-5000	0.1-5ml	10µl	500	1.00	5.00	0.40	2.00
				2500	0.50	12.50	0.20	5.00
				5000	0.50	25.00	0.15	7.50
	AQS-10000	1-10ml	100µl	1000	3.00	30.00	0.60	6.00
				5000	0.80	40.00	0.20	10.00
				10000	0.60	60.00	0.16	16.00
8 - CHANNEL	AQE-10	0.2-10µl	0.1µl	8	2.50	0.20	2.00	0.16
				40	1.20	0.48	0.80	0.32
				80	0.80	0.64	0.40	0.32
	AQE-100	5-100µl	1µl	80	1.00	0.80	1.00	0.80
				400	0.40	1.60	0.24	0.96
				800	0.50	4.00	0.15	1.20
	AQE-300	10-300µl	1µl	240	0.75	1.80	0.80	1.92
				1200	0.70	8.40	0.20	2.40
				2400	0.50	12.00	0.15	3.60
12 - CHANNEL	AQT-10	0.2-10µl	0.1µl	12	2.50	0.30	2.00	0.24
				60	1.20	0.72	0.80	0.48
				120	0.80	0.96	0.40	0.48
	AQT-100	5-100µl	1µl	120	1.00	1.20	1.00	1.20
				600	0.40	2.40	0.24	1.44
				1200	0.50	6.00	0.15	1.80
	AQT-300	10-300µl	1µl	360	0.75	2.70	0.80	2.88
				1800	0.70	12.60	0.20	3.60
				3600	0.50	18.00	0.15	5.40

# Specifications of AQUA Electronic Adjustable Spacing Multi-Channel Pipette (4, 6, 8 & 12 Channel)

Tip Distance	384-Well Plate (Spacing 4.5 mm)	96-Well Plate (Spacing 9 mm)	48-Well Plate (Spacing 13 mm)	24-Well Plate (Spacing 19 mm)	12-Well Plate (Spacing 26 mm)
Vessel Graphical Representation					

	Model	Volume Range	Spacing	384-Well Plate (Spacing 4.5 mm)	96-Well Plate (Spacing 9 mm)	48-Well Plate (Spacing 13 mm)	24-Well Plate (Spacing 19 mm)	12-Well Plate (Spacing 26 mm)
4-CHANNEL	AQVF-12	0.5-12.5µl	9-26mm					
	AQVF-50	2-50µl						
	AQVF-110	5-110µl			✓	✓	✓	✓
	AQVF-300	10-300µl						
	AQVF-1000	50-1000µl						
6-CHANNEL	AQVS-12	0.5-12.5µl	9-19mm					
	AQVS-50	2-50µl						
	AQVS-110	5-110µl			✓	✓	✓	
	AQVS-300	10-300µl						
	AQVS-1000	50-1000µl						
8-CHANNEL	AQVE-12A	0.5-12.5µl	9-19mm					
	AQVE-50A	2-50µl						
	AQVE-110A	5-110µl			✓	✓	✓	
	AQVE-300A	10-300µl						
	AQVE-1000A	50-1000µl						
	AQVE-12B	0.5-12.5µl	4.5-14mm					
	AQVE-50B	2-50µl		✓	✓	✓		
	AQVE-110B	5-110µl						
12-CHANNEL	AQVT-12	0.5-12.5µl	4.5-9mm					
	AQVT-50	2-50µl		✓	✓			
	AQVT-110	5-110µl						

# Features and Ordering Information of AQUA Electronic Adjustable Spacing Multi-Channel Pipette (4, 6, 8 & 12 Channel)

The AQUA adjustable tip spacing pipette features electronic one-button control for true one-handed operation, speeding up and simplifying your workflow.

Available in 4, 6, 8 and 12-channel models with adjustable tip spacing (4.5mm–26 mm), this electronic pipette reduces thumb strain and offers customizable programs and repeat dispensing.

Manual sample transfers are slow and error-prone. AQUA's tip spacing lets you move multiple samples across formats efficiently, reducing strain and eliminating manual adjustments.

The AQUA adjustable pipettes have a tubeless, fully rotatable head (360°) for better display visibility, improved ergonomics and faster parameter checks.



Volume Range	Channels	Increment	Accuracy		CV	
			±%	±μl	±%	±μl
0.5-12.5μl	4/6/8/12 Channels	0.1μl	20μl	0.25μl	10μl	0.125μl
		0.1μl	4μl	0.25μl	2μl	0.125μl
		0.1μl	2μl	0.25μl	1μl	0.125μl
2-50μl	4/6/8/12 Channels	0.5μl	20μl	1μl	8μl	0.4μl
		0.5μl	4μl	1μl	1.6μl	0.4μl
		0.5μl	2μl	1μl	0.8μl	0.4μl
5-110μl	4/6/8/12 Channels	0.5μl	16μl	1.76μl	6μl	0.66μl
		0.5μl	3.2μl	1.76μl	1.2μl	0.66μl
		0.5μl	1.6μl	1.76μl	0.6μl	0.66μl
10-300μl	4/6/8 Channels	1μl	16μl	1.6μl	6μl	0.6μl
		1μl	3.2μl	4.8μl	1.2μl	1.8μl
		1μl	1.6μl	4.8μl	0.6μl	1.8μl
50-1000μl	4/6/8 Channels	1μl	16μl	16μl	6μl	6μl
		1μl	3.2μl	16μl	1.2μl	6μl
		1μl	1.6μl	16μl	0.6μl	6μl

The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with DIN EN ISO 8655-2 and are based on the nominal capacity indicated on the instrument. MICROLIT AQUA is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards and a Calibration Certificate is included in the product package.

To meet various pipetting demands, the main pipetting program types are suitable for ordinary, volatile, easy-foaming, high-viscosity and other liquids.

## Program Types and Advanced Techniques of Pipetting POSSIBLE WITH AQUA Multi-functional Electronic Pipette



## COLOUR CODING FOR EASY IDENTIFICATION

### Single Channel / Multi Channel / Adjustable Spacing Electronic Pipette



The precision and accuracy of our liquid handling instruments is twice better than industry standards\*

\*ISO 8655 is the globally accepted industry standard for piston-operated volumetric apparatus. The evaluation was performed by trained and certified personnel at an ISO17025 accredited lab.

Colour-coding for different capacities facilitates easy identification during daily laboratory routine.



## State-of-the-Art Design for Achieving High Precision and Accuracy in Laboratory and a Complete Solution for all Pipetting Needs.

MICROLIT AQUA is a multi-functional electronic volumetric and variable spacing pipette designed to measure and transfer liquids precisely and safely. It can measure and transfer volumes from 0.2 µL to 10000 µL depending on various models. It is available in Single Channel and Multichannel (8-channel and 12-channel) variants.

The newly launched Variable Spacing Pipettes are available in four models of 4, 6, 8 and 12 channels, covering all positions from 4.5mm to 26mm, making it easy to switch between different sizes of vessels, enhancing workflow, saving time and greatly improving reproducibility of experimental results.

The AQUA electronic pipettes are exceptionally compact and lightweight due to a knock-down (detachable) rechargeable battery and have multiple pipetting modes to enable efficient lab work. They ensure reliable, accurate and repeatable experiment results and protect the user from repetitive strain injury (RSI). These instruments are designed with ergonomics and intuitive handling in mind and facilitate remarkable user experience in practical laboratory environments.

OTHER IMPORTANT TECHNICAL SPECIFICATIONS	
External Detachable Battery	4.2V Li-ion Battery
Rechargeable Battery Capacity	800 mAh
Rechargeable Battery charging time	Approx 2 hours
Duration of Operations	8 hrs of operation with fully charged battery
Charger	Type A and Type C (Alternative charging plugs can be provided)
Volume Range	Single Ch: 0.2-10000 µl
	Multi Ch: 8 and 12, 0.2-1000 µl
	Variable Spacing Multi Ch: 4, 6, 8 and 12 4.5mm, 9mm, 13mm, 19mm, 26mm, 0.5-1000µl
Pipetting Modes and Operations	12
Motor	Linear stepping electronic piston control
Memory	Saves upto 6 programs at a time
Tip Compatibility	Universal Tipcone
Tip Ejection	Manual
Autoclavable lower parts	121° C, 20 mins, 1 bar
Sterilization	Whole device can be sterilized by UV light
Carousel Stands	Available separately
Mini USB Interface	Yes

### Award-winning Design and Product Excellence



Microlit has been recognized for its innovation and leadership with several prestigious awards, including the **Japanese Good Design Award**, **CII Industrial Innovation Awards**, and a spot in the **Top 50 Most Innovative Companies of 2022**. This year, we proudly received the **Global Business Leadership Award** from **ET Now Leaders of Tomorrow 2025**, further solidifying our position as a global leader in Healthcare and Life Sciences Industry.



## OUR REACH



## YOUR SATISFACTION IS OUR PRIORITY

Established in 1991, Microlit is one of the world's leading manufacturers & exporters of laboratory liquid handling instruments. Our product range includes micropipettes, bottle top dispensers, electronic burette, electronic pipette filling device and other micropipette accessories. With our patented products, innovative technologies & unfaltering trust of 8000+ consumers in 95+ countries, we are recognized as a respected & dependable brand in Healthcare and Lifesciences industry. Our offices are located in India (HQ), USA & Brazil. With a research-oriented & customer-centric team of product design engineers, our product design blends the best of functional performance & user experience. Our innovative products have helped us carve a niche in R&D industry while providing our users high level of precision & accuracy in their research work.

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