



# 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.



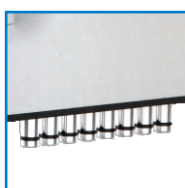
## SPEED SELECTION MODE

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 19 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

	MODEL	VOLUME RANGE	INCREMENT	VOLUME (µl)	ACCURACY		CV	
					+/- %	+/- µl	+/- %	+/- µl
SINGLE CHANNEL MICROPIPETTE	AQS-10	0.2-10µl	0.1µl	1	2.50	0.025	1.50	0.015
				5	1.50	0.075	0.70	0.035
				10	1.00	0.100	0.40	0.04
	AQS-20	0.5-20µl	0.1µl	2	7.50	0.15	2.00	0.04
				10	7.50	0.75	0.50	0.05
				20	1.00	0.20	0.30	0.06
	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	0.75	1.50	0.20	0.40
MULTI-CHANNEL 8-CHANNEL AND 12-CHANNEL	AQS-300	10-300µl	1µl	30	2.50	0.75	0.80	0.24
				150	0.70	1.05	0.20	0.30
				300	0.40	1.20	0.15	0.45
	AQS-500	10-500µl	1µl	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	2.00	2.00	0.60	0.60
				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	0.50	2.50
				2500	0.50	12.50	0.20	5.00
				5000	0.60	30.00	0.20	10.00
	AQS-10000	1-10ml	100µl	1000	5.00	50.00	0.60	6.00
				5000	1.00	50.00	0.20	10.00
				10000	0.60	60.00	0.16	16.00
	AQE-10	0.2-10µl	0.1µl	1	2.50	0.025	1.50	0.015
				5	1.20	0.060	0.40	0.020
				10	0.80	0.080	0.025	0.0025
	AQE-100	5-100µl	1µl	10	0.20	0.020	1.00	0.100
				50	0.40	0.200	0.24	0.120
				100	0.50	0.500	0.15	0.150
	AQE-300	10-300µl	1µl	30	0.75	0.225	0.80	0.240
				150	1.05	1.575	0.20	0.300
				300	1.20	3.600	0.15	0.450
	AQT-10	0.2-10µl	0.1µl	1	2.50	0.025	1.50	0.015
				5	1.20	0.060	0.40	0.020
				10	0.80	0.080	0.025	0.0025
	AQT-100	5-100µl	1µl	10	0.20	0.020	1.00	0.100
				50	0.40	0.200	0.24	0.120
				100	0.50	0.500	0.15	0.150
	AQT-300	10-300µl	1µl	30	0.75	0.225	0.80	0.240
				150	1.05	1.575	0.20	0.300
				300	1.20	3.600	0.15	0.450

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.

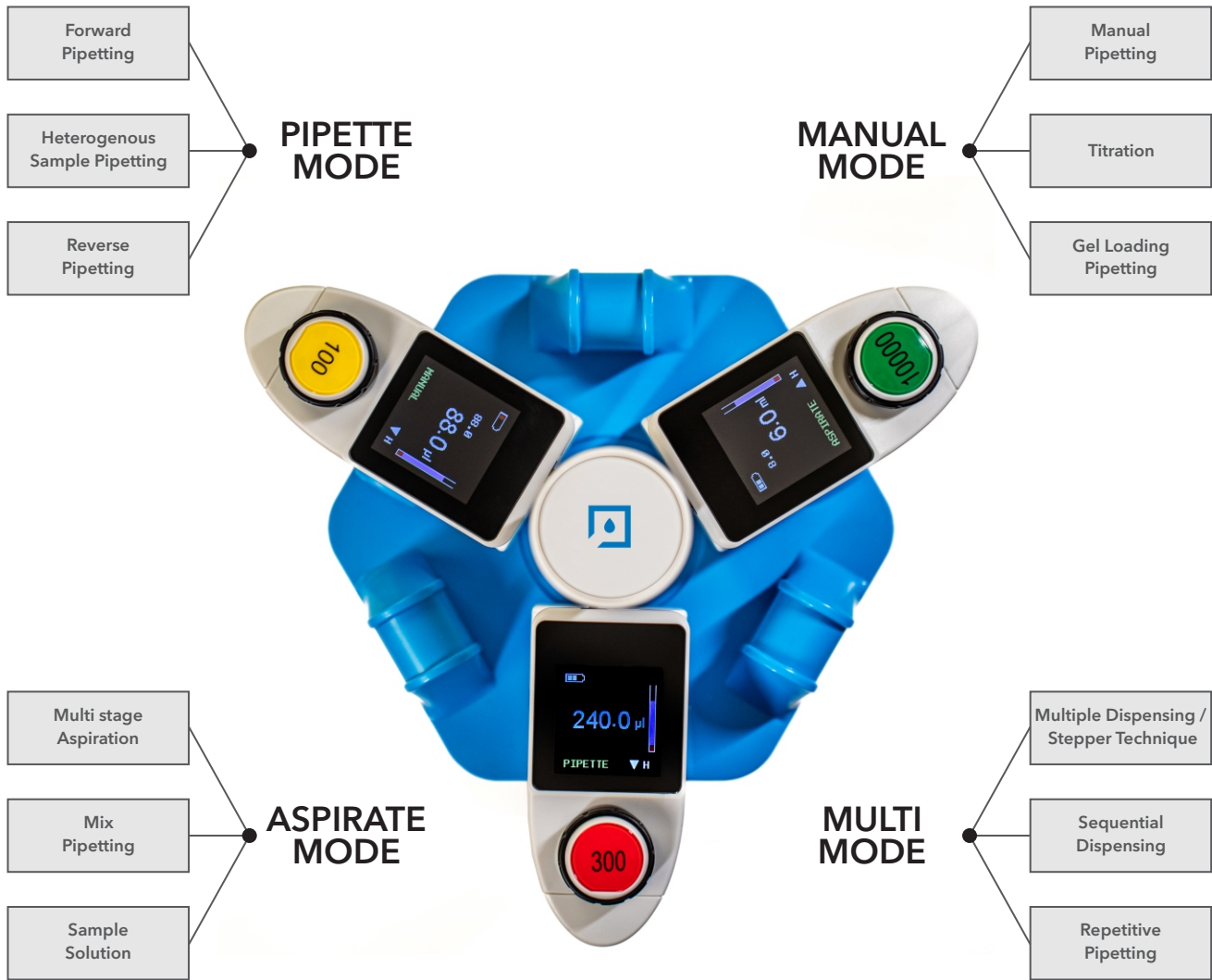
# Specifications and Ordering Information Chart of AQUA Electronic Adjustable Spacing Multi-Channel Pipette

Model	Volume Range	Max. Capacity	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						

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



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

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.

# 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.

## Assured Quality with ISO 8655 Conformed Calibration

MICROLIT AQUA is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards.

A calibration certificate is included with each instrument.

The electronic pipette is designed with easy user calibration method and can be easily recalibrated in minimum steps.

## Our Product Excellence



Our products reflect the design philosophy of our organization, combining the best performance parameters with the best user experience

We were honoured by CII Industrial Innovation Awards and adjudged a place in the top 50 Most Innovative Companies of 2022.

We are also accredited by a number of global organizations and have earned worldwide credibility.

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



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