MICROLITAQUA

Multi-functional Electronic Micropipette

MICROLITAQUA

MICROLIT AQUA

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300

300

300

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ISO 17025

CE

GERMAN CERT

ISO 9001

ASCB(E)
UK
ISO 13485

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.

LINEAR STEPPER MOTOR SYSTEM

Motor controlled piston operation ensures no human error and guarantees reliable pipetting.

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 micropipetting workflows.

Specifications and Ordering Information Chart of AQUA Electronic Single Channel and Multi Channel Micropipette
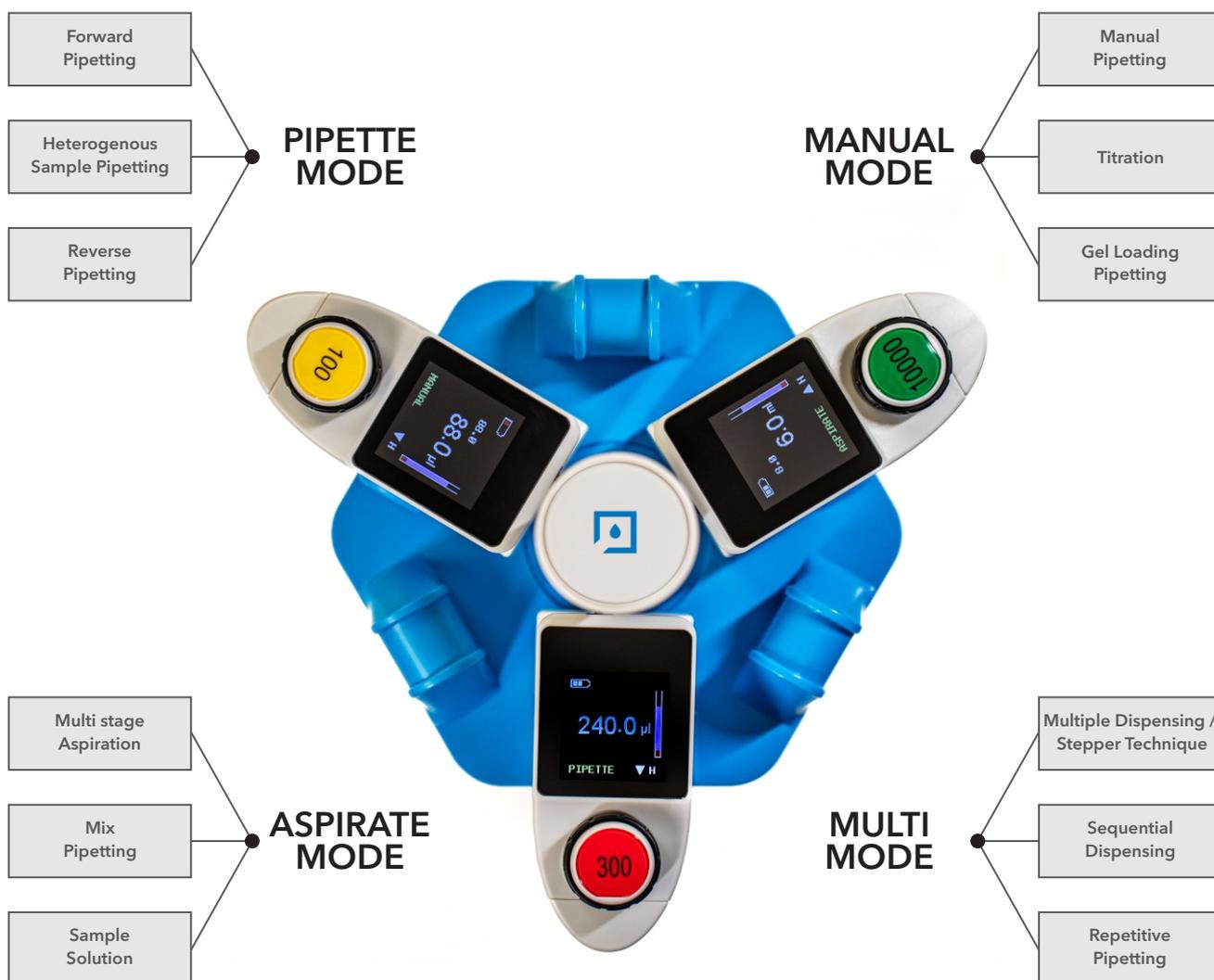
SPECIFICATIONS AND ORDERING INFORMATION CHART OF SINGLE CHANNEL MICROPIPETTE

MODEL	VOLUME RANGE	INCREMENT	VOLUME (µl)	ACCURACY		CV	
				+/-%	+/-µl	+/-%	+/-µl
AQS-10	0.2-10µl	0.1µl	1 5 10	2.50 1.50 1.00	0.025 0.075 0.100	1.50 0.70 0.40	0.015 0.035 0.04
AQS-20	0.5-20µl	0.1µl	2 10 20	7.50 7.50 1.00	0.15 0.75 0.20	2.00 0.50 0.30	0.04 0.05 0.06
AQS-100	2-100µl	0.5µl	10 50 100	2.00 0.80 0.60	0.20 0.40 0.60	1.00 0.30 0.15	0.10 0.15 0.15
AQS-200	5-200µl	0.5µl	20 100 200	2.50 0.80 0.75	0.50 0.80 1.50	1.00 0.25 0.20	0.20 0.25 0.40
AQS-300	10-300µl	1µl	30 150 300	2.50 0.70 0.40	0.75 1.05 1.20	0.80 0.20 0.15	0.24 0.30 0.45
AQS-500	10-500µl	2µl	50 250 500	1.60 0.48 0.40	0.80 1.20 2.00	0.70 0.24 0.16	0.35 0.60 0.80
AQS-1000	50-1000µl	1µl	100 500 1000	2.00 0.50 0.40	2.00 2.50 4.00	0.60 0.20 0.15	0.60 1.00 1.50
AQS-5000	0.1-5ml	10µl	500 2500 5000	1.00 0.50 0.60	5.00 12.50 30.00	0.50 0.20 0.20	2.50 5.00 10.00
AQS-10000	1-10ml	100µl	1000 5000 10000	5.00 1.00 0.60	50.00 50.00 60.00	0.60 0.20 0.16	6.00 10.00 16.00

SPECIFICATIONS AND ORDERING INFORMATION CHART OF MULTICHANNEL MICROPIPETTE (8-CHANNEL AND 12-CHANNEL)

MODEL	VOLUME RANGE	INCREMENT	VOLUME (µl)	ACCURACY		CV	
				+/-%	+/-µl	+/-%	+/-µl
8 CHANNELS							
AQE-10	0.2-10µl	0.1µl	1 5 10	2.50 1.20 0.80	0.025 0.060 0.080	1.50 0.40 0.025	0.015 0.020 0.0025
AQE-100	5-100µl	1µl	10 50 100	0.20 0.40 0.50	0.020 0.200 0.500	1.00 0.24 0.15	0.100 0.120 0.150
AQE-300	10-300µl	1µl	30 150 300	0.75 1.05 1.20	0.225 1.575 3.600	0.80 0.20 0.15	0.240 0.300 0.450
12 CHANNELS							
AQT-10	0.2-10µl	0.1µl	1 5 10	2.50 1.20 0.80	0.025 0.060 0.080	1.50 0.40 0.025	0.015 0.020 0.0025
AQT-100	5-100µl	1µl	10 50 100	0.20 0.40 0.50	0.020 0.200 0.500	1.00 0.24 0.15	0.100 0.120 0.150
AQT-300	10-300µl	1µl	30 150 300	0.75 1.05 1.20	0.225 1.575 3.600	0.80 0.20 0.15	0.240 0.300 0.450

The error limits (Accuracy and Coeffecient 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.

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

Forward Pipetting

Heterogenous Sample Pipetting

Reverse Pipetting

PIPETTE MODE

Manual Pipetting

Titration

Gel Loading Pipetting

MANUAL MODE

Multi stage Aspiration

Mix Pipetting

Sample Solution

ASPIRATE MODE

Multiple Dispensing / Stepper Technique

Sequential Dispensing

Repetitive Pipetting

MULTI MODE

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 micropipette designed to measure and transfer liquids precisely and safely. It can measure and transfer volumes from 0.1 µL to 10000 µL depending on various models. It is available in Single Channel and Multichannel (8-channel and 12-channel) variants.

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

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
Volume Range	Single Ch: 0.1-10000 µl
	8-Ch and 12-Ch: 0.2-1000 µl
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

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.

MICROLIT

OUR REACH

YOUR SATISFACTION IS OUR PRIORITY

Microlit products follow GMP norms and are manufactured under comprehensive QA (Quality Assurance) & QC (Quality Control). Our products reflect the design philosophy of our organisation combining the best performance parameters with the best user experience. However, if you are dissatisfied with the operation of any of our products, get in touch with us or call your nearest Microlit dealer for free replacement.

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