

# MICROLITRAMBO

Multi-functional Micropipette, Single Channel and Multichannel



ISO 9001

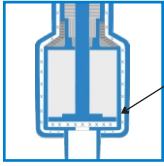


ISO 13485



ISO 17025

# Distinctive Features of RAMBO Single Channel (Fixed & Variable Volume) and Multi Channel Micropipette (8-Channel and 12-Channel)



Minimum dead air space

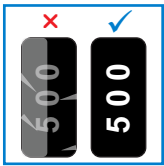
## ACHIEVE PRECISION WITH $\mu$ Air<sup>®</sup> TECHNOLOGY

It ensures high precision by minimizing dead air space between piston and liquid in the tip.



## SPRING AND BALL-BASED DIGIT CHANGE MECHANISM

It ensures no accidental volume change while carrying out various operations.



## DURABLE, SCRATCH-RESISTANT DISPLAY

Enhanced visibility with a tough surface that resists scratches, wear, and everyday damage.



## SEAMLESS INTEGRATED TIP EJECTOR

An in-built tip ejector ejects tips with optimal force and provides great aesthetic value.



## SOFT PLUNGER MOVEMENT

Experience the lightest pipetting with 3-5N force for 1st step and 10-14N force for 2nd step.



## VOLUME ADJUSTMENT KNOB

It offers an extremely fast volume setting by effortless rotation of the plunger.



POLYPROPYLENE

## POLYPROPYLENE HOUSING MATERIAL

It makes the micropipette durable, lightweight, scratch proof and dirt resistant.



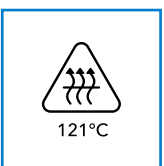
## ERGONOMIC LIGHTWEIGHT DESIGN

It facilitates single-handed and long duration of operation with ease.



## UNIVERSAL TIP CONE

This makes the micropipette compatible with most of the internationally accepted standard tips.



## FULLY AUTOCLAVABLE

This instrument is fully autoclavable at 121°C and 15 psi for a duration of 15-20 minutes.



# Enhances Pipetting Precision by Reducing Dead Air Space

## What is $\mu$ Air<sup>®</sup> Technology?

Designed to minimize the dead air space between the piston and the sample in the pipette tip.

This reduces air compression during aspiration and dispensing.

By reducing that cushion of air,  $\mu$ Air<sup>®</sup> helps deliver greater precision and improved accuracy, especially in real lab conditions.

## Key Benefits of $\mu$ Air<sup>®</sup> in Micropipettes

### ◆ Reduced variability

Less air compression leads to consistent volumes across aspirated samples.

### ◆ Better accuracy and precision

Direct coupling between piston and liquid ensures measured volumes closely match targets.

### ◆ Robust performance

Maintains precision even in varying environmental or technique-related conditions.



Minimum  
dead  
air space

## COLOUR CODING FOR EASY IDENTIFICATION

### Variable Volume Micropipette



RAM-2



RAM-10



RAM-20



RAM-50



RAM-100



RAM-200



RAM-1000



RAM-5000



RAM-10000

### Fixed Volume Micropipette



RAM-F-1, F-2, F-5



RAM-F-10



RAM-F-20, F-25



RAM-F-50



RAM-F-100



RAM-F-200



RAM-F-250, F-500, F-1000



RAM-F-2000, F-5000



RAM-F-10000

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

# Specifications and Ordering Information Chart of RAMBO High Precision Micropipette

	MODEL	VOLUME RANGE ( $\mu$ l)	ACCURACY		CV	
			+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
FIXED VOLUME MICROPIPETTE	RAM-F-1	1	5	0.05	5	0.05
	RAM-F-2	2	4	0.08	2	0.04
	RAM-F-5	5	2	0.10	1	0.05
	RAM-F-10	10	1	0.10	0.5	0.05
	RAM-F-20	20	0.8	0.16	0.4	0.08
	RAM-F-25	25	0.8	0.20	0.4	0.10
	RAM-F-50	50	0.8	0.40	0.4	0.20
	RAM-F-100	100	0.6	0.60	0.2	0.20
	RAM-F-200	200	0.6	1.20	0.2	0.40
	RAM-F-250	250	0.6	1.50	0.2	0.50
	RAM-F-500	500	0.6	3.00	0.2	1.00
	RAM-F-1000	1000	0.6	6.00	0.2	2.00
	RAM-F-2000	2000	0.6	12.00	0.2	4.00
	RAM-F-5000	5000	0.6	30.00	0.2	10.00
	RAM-F-10000	10000	0.4	40.00	0.2	20.00

	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
VARIABLE VOLUME MICROPIPETTE	RAM-2	0.2-2.0	0.004	2	0.04	1.2	0.024
	RAM-10	0.5-10	0.01	1	0.10	0.5	0.05
	RAM-20	2-20	0.02	0.8	0.16	0.4	0.08
	RAM-50	5-50	0.04	0.8	0.40	0.4	0.20
	RAM-100	10-100	0.1	0.6	0.60	0.2	0.20
	RAM-200	20-200	0.2	0.6	1.20	0.2	0.40
	RAM-1000	100-1000	1.0	0.6	6.00	0.2	2.00
	RAM-5000	500-5000	4.0	0.6	30.00	0.2	10.00
	RAM-10000	1000-10000	10.0	0.6	60.00	0.2	20.00

	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
8-CHANNEL MICROPIPETTE	RAM-E-10	0.5-10	0.01	1.6	0.16	1.00	0.01
	RAM-E-20	2-20	0.02	0.8	0.16	0.40	0.08
	RAM-E-50	5-50	0.04	0.8	0.40	0.40	0.20
	RAM-E-100	10-100	0.1	0.8	0.80	0.30	0.30
	RAM-E-200	20-200	0.2	0.8	1.60	0.30	0.60
	RAM-E-300	40-300	0.4	0.8	2.40	0.30	0.90

	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
12-CHANNEL MICROPIPETTE	RAM-T-10	0.5-10	0.01	1.6	0.16	1.00	0.01
	RAM-T-20	2-20	0.02	0.8	0.16	0.40	0.08
	RAM-T-50	5-50	0.04	0.8	0.40	0.40	0.20
	RAM-T-100	10-100	0.2	0.8	0.80	0.30	0.30
	RAM-T-200	20-200	0.2	0.8	1.60	0.30	0.60
	RAM-T-300	40-300	0.4	0.8	2.40	0.30	0.90

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 RAMBO is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards and a Calibration Certificate is included in the product package.

## A Complete Solution for all your Pipetting Needs

MICROLIT RAMBO is a range of high precision micropipettes that offer a sophisticated blend of features and functionality. Built by our expert team of Product Design Engineers, it is available in Single Channel (Fixed and Variable Volume) and Multichannel (8-channel and 12-channel) Micropipettes.

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 RAMBO 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.

## 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 & unflinching 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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