

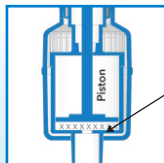
# MICROLITNERO

Multi-functional Micropipette, Single Channel and Multichannel





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



Minimum  
dead  
air space

## ACHIEVE PRECISION WITH $\mu$ Air® TECHNOLOGY

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



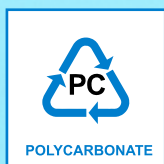
## CALIBRATE EFFICIENTLY WITH PATENTED UniCal® TECHNOLOGY

It enables quick in-lab calibration in a single operation without traditional hit and trial method.



## SOFT PLUNGER MOVEMENT

It provides the lightest pipetting experience in the industry with 5-3N force for 1st step and 14-10N force for 2nd step.



## POLYCARBONATE HOUSING MATERIAL

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



## UNIVERSAL TIP CONE

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



## SPRING AND BALL-BASED DIGIT CHANGE MECHANISM

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



## SEAMLESS INTEGRATED TIP EJECTOR

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



## EASY VOLUME ADJUSTMENT KNOB

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



## ERGONOMIC LIGHTWEIGHT DESIGN

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



## FULLY AUTOCLAVABLE

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



# Specifications and Ordering Information Chart of NERO High Precision Micropipette

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

VARIABLE VOLUME MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-2	0.2-2.0	0.01	2	0.04	1.2	0.024
	NRO-2.5	0.1-2.5	0.01	1	0.025	1	0.025
	NRO-10	0.5-10	0.05	1	0.10	0.5	0.05
	NRO-20	2-20	0.1	0.8	0.16	0.4	0.08
	NRO-50	5-50	0.2	0.8	0.40	0.4	0.20
	NRO-100	10-100	0.5	0.6	0.60	0.2	0.20
	NRO-200	20-200	1.0	0.6	1.20	0.2	0.40
	NRO-1000	100-1000	5.0	0.6	6.00	0.2	2.00
	NRO-5000	500-5000	20.0	0.6	30.00	0.2	10.00
	NRO-10000	1000-10000	50.0	0.6	60.00	0.2	20.00

8-CHANNEL MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-E-10	0.5-10	0.05	1.6	0.16	1.00	0.01
	NRO-E-20	02-20	0.1	0.8	0.16	0.40	0.08
	NRO-E-50	05-50	0.2	0.8	0.40	0.40	0.20
	NRO-E-100	10-100	0.5	0.8	0.80	0.30	0.30
	NRO-E-200	20-200	1.0	0.8	1.60	0.30	0.60
	NRO-E-300	40-300	2.0	0.8	2.40	0.30	0.90

12-CHANNEL MICROPIPETTE	MODEL	VOLUME RANGE ( $\mu$ l)	INC. ( $\mu$ l)	ACCURACY		CV	
				+/-%	+/- $\mu$ l	+/-%	+/- $\mu$ l
	NRO-T-10	0.5-10	0.05	1.6	0.16	1.00	0.01
	NRO-T-20	02-20	0.1	0.8	0.16	0.40	0.08
	NRO-T-50	05-50	0.2	0.8	0.40	0.40	0.20
	NRO-T-100	10-100	0.5	0.8	0.80	0.30	0.30
	NRO-T-200	20-200	1.0	0.8	1.60	0.30	0.60
	NRO-T-300	40-300	2.0	0.8	2.40	0.30	0.90

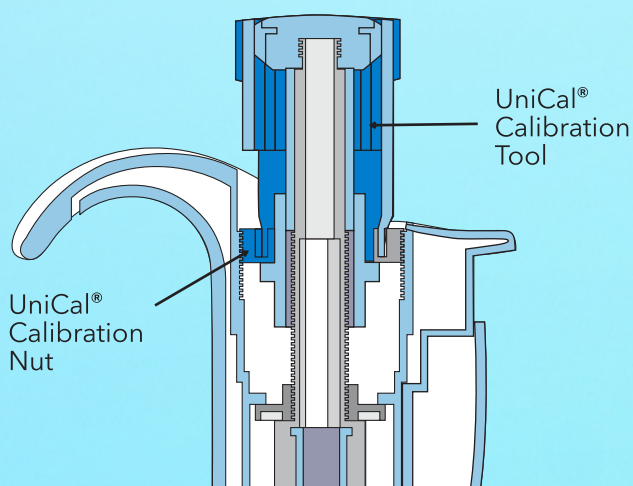
The error limits (Accuracy and Coefficient of Variation) mentioned above are in accordance with DIN EN ISO 8655-2 and are based on the nominal capacity indicated on the instrument. MICROLIT NERO is calibrated in an ISO 17025 accredited laboratory according to ISO 8655 standards and a Calibration Certificate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

## Assured Quality with ISO 8655 Conformed Calibration

The India Design Mark 2021 awardee “NERO micropipette” has been granted the patent for its unique calibration system, the UniCal® Technology that allows quick in-lab calibration in a single operation without disengaging the digits from the plunger mechanism. The Indian Patent Number is 405607.

### How is UniCal® Technology Beneficial?

- It eliminates the inconvenience caused by the hit-and-trial method of calibration.
- It saves the cost and time of sending the instrument to another facility for third party calibration.
- It enables the user to re-calibrate without disassembling any component, disengaging the digits from the plunger or matching calibration markers on the micropipette to the volume adjustment chart in the user manual.



### 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.

## A Complete Solution for all your Pipetting Needs

MICROLIT NERO 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.

## Perform Re-calibration in your Laboratory with unique patented UniCal<sup>®</sup> Technology



MICROLIT NERO 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.

## 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.





## 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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