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**L**iquid Handling

# MicroPette Plus

**121°C**

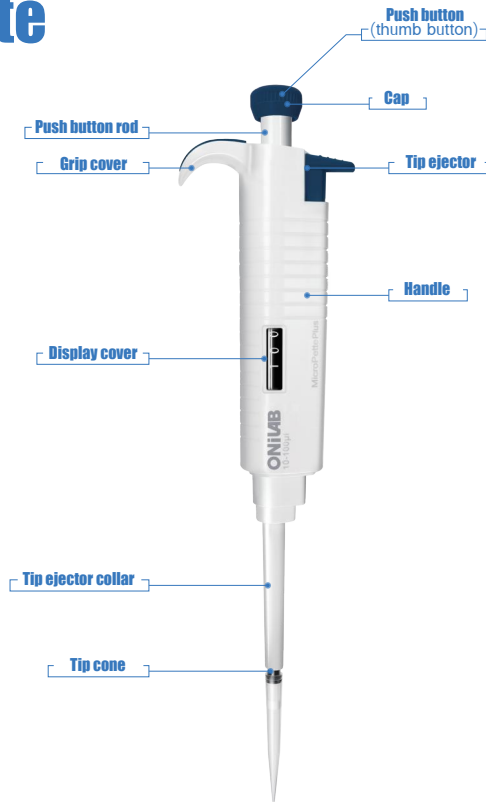
**FULLY**

**Autoclavable**



# MicroPette

121°C  
Half  
Autoclavable



## Features

- Available as Fixed Volume and Adjustable Volume formats
- Streamlined shape design
- Comprehensive volume range from 0,1µL to 10mL
- Easy calibration and maintenance
- 8 and 12 channel pipette options
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly
- Spring loaded tip cones for easy cleaning and maintenance
- Compound material-made tip cone secures high sealing performance



# Mechanical Pipette Volume Selection

## Specifications

This volume list is for MicroPette and MicroPette plus (Adjustable and Fixed volume)

Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			Systematic Error		Random Error	
$\mu\text{L}$	$\mu\text{L}$	$\mu\text{L}$	$\mu\text{L}$	%	$\mu\text{L}$	%
0.1–2.5	0.05	2.5	$\pm 0.0625$	$\pm 2.50$	$\pm 0.05$	$\pm 2.00$
		1.25	$\pm 0.0375$	$\pm 3.00$	$\pm 0.0375$	$\pm 3.00$
		0.25	$\pm 0.03$	$\pm 12.00$	$\pm 0.015$	$\pm 6.00$
0.5–10	0.1	10	$\pm 0.1$	$\pm 1.00$	$\pm 0.08$	$\pm 0.80$
		5	$\pm 0.075$	$\pm 1.50$	$\pm 0.075$	$\pm 1.50$
		1	$\pm 0.025$	$\pm 2.50$	$\pm 0.015$	$\pm 1.50$
2–20	0.5	20	$\pm 0.18$	$\pm 0.90$	$\pm 0.08$	$\pm 0.04$
		10	$\pm 0.12$	$\pm 1.20$	$\pm 0.1$	$\pm 1.00$
		2	$\pm 0.06$	$\pm 3.00$	$\pm 0.04$	$\pm 2.00$
5–50	0.5	50	$\pm 0.3$	$\pm 0.60$	$\pm 0.15$	$\pm 0.30$
		25	$\pm 0.225$	$\pm 0.90$	$\pm 0.15$	$\pm 0.60$
		5	$\pm 0.1$	$\pm 2.00$	$\pm 0.1$	$\pm 2.00$
10–100	1	100	$\pm 0.8$	$\pm 0.80$	$\pm 0.15$	$\pm 0.15$
		50	$\pm 0.5$	$\pm 1.00$	$\pm 0.2$	$\pm 0.40$
		10	$\pm 0.3$	$\pm 3.00$	$\pm 0.15$	$\pm 1.50$
20–200	1	200	$\pm 1.2$	$\pm 0.60$	$\pm 0.3$	$\pm 0.15$
		100	$\pm 0.8$	$\pm 0.80$	$\pm 0.3$	$\pm 0.30$
		20	$\pm 0.6$	$\pm 3.00$	$\pm 0.2$	$\pm 1.00$
50–200	1	200	$\pm 1.2$	$\pm 0.60$	$\pm 0.3$	$\pm 0.15$
		100	$\pm 0.8$	$\pm 0.80$	$\pm 0.3$	$\pm 0.30$
		50	$\pm 0.5$	$\pm 1.00$	$\pm 0.2$	$\pm 0.40$
100–1000	5	1000	$\pm 6$	$\pm 0.60$	$\pm 2$	$\pm 0.20$
		500	$\pm 3.5$	$\pm 0.70$	$\pm 1.25$	$\pm 0.25$
		100	$\pm 2$	$\pm 2.00$	$\pm 0.7$	$\pm 0.70$
200–1000	5	1000	$\pm 6$	$\pm 0.60$	$\pm 2$	$\pm 0.20$
		500	$\pm 3.5$	$\pm 0.70$	$\pm 1.25$	$\pm 0.25$
		200	$\pm 1.8$	$\pm 0.90$	$\pm 0.6$	$\pm 0.30$
1000–5000	50	5000	$\pm 25$	$\pm 0.50$	$\pm 7.5$	$\pm 0.15$
		2500	$\pm 15$	$\pm 0.60$	$\pm 7.5$	$\pm 0.30$
		1000	$\pm 7$	$\pm 0.70$	$\pm 3$	$\pm 0.30$
2000–10000 Do not apply to MicroPette plus	100	10000	$\pm 60$	$\pm 0.60$	$\pm 20$	$\pm 0.20$
		5000	$\pm 60$	$\pm 1.20$	$\pm 15$	$\pm 0.30$
		2000	$\pm 60$	$\pm 3.00$	$\pm 12$	$\pm 0.60$

User calibration should refer to the industrial standard ISO8655-2.

## Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
			$\mu\text{L}$	%	$\mu\text{L}$	%
5	-	5	$\pm 0.065$	$\pm 1.3$	$\pm 0.06$	$\pm 1.2$
10	-	10	$\pm 0.08$	$\pm 0.8$	$\pm 0.08$	$\pm 0.8$
20	-	20	$\pm 0.12$	$\pm 0.6$	$\pm 0.1$	$\pm 0.5$
25	-	25	$\pm 0.125$	$\pm 0.5$	$\pm 0.075$	$\pm 0.3$
50	-	50	$\pm 0.25$	$\pm 0.5$	$\pm 0.15$	$\pm 0.3$
100	-	100	$\pm 0.5$	$\pm 0.5$	$\pm 0.3$	$\pm 0.3$
200	-	200	$\pm 0.8$	$\pm 0.4$	$\pm 0.4$	$\pm 0.2$
250	-	250	$\pm 1.0$	$\pm 0.4$	$\pm 0.5$	$\pm 0.2$
500	-	500	$\pm 1.5$	$\pm 0.3$	$\pm 1.0$	$\pm 0.2$
1000	-	1000	$\pm 3.0$	$\pm 0.3$	$\pm 2.0$	$\pm 0.2$
2000	-	2000	$\pm 6.0$	$\pm 0.3$	$\pm 3.0$	$\pm 0.15$
5000	-	5000	$\pm 15$	$\pm 0.3$	$\pm 7.5$	$\pm 0.15$

## 8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
			$\mu\text{L}$	%	$\mu\text{L}$	%
0.5-10	0.1	10	$\pm 0.15$	$\pm 1.50$	$\pm 0.15$	$\pm 1.50$
		5	$\pm 0.125$	$\pm 2.50$	$\pm 0.125$	$\pm 2.50$
		1	$\pm 0.04$	$\pm 4.00$	$\pm 0.04$	$\pm 4.00$
5-50	0.5	50	$\pm 0.5$	$\pm 1.00$	$\pm 0.25$	$\pm 0.50$
		25	$\pm 0.375$	$\pm 1.50$	$\pm 0.25$	$\pm 1.00$
		5	$\pm 0.15$	$\pm 3.00$	$\pm 0.1$	$\pm 2.00$
50-300	5	300	$\pm 2.1$	$\pm 0.70$	$\pm 0.75$	$\pm 0.25$
		150	$\pm 1.5$	$\pm 1.00$	$\pm 0.75$	$\pm 0.50$
		50	$\pm 0.75$	$\pm 1.50$	$\pm 0.4$	$\pm 0.80$

## 12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Systematic Error		Random Error	
			$\mu\text{L}$	%	$\mu\text{L}$	%
0.5-10	0.1	10	$\pm 0.15$	$\pm 1.50$	$\pm 0.15$	$\pm 1.50$
		5	$\pm 0.125$	$\pm 2.50$	$\pm 0.125$	$\pm 2.50$
		1	$\pm 0.04$	$\pm 4.00$	$\pm 0.04$	$\pm 4.00$
5-50	0.5	50	$\pm 0.5$	$\pm 1.00$	$\pm 0.25$	$\pm 0.50$
		25	$\pm 0.375$	$\pm 1.50$	$\pm 0.25$	$\pm 1.00$
		5	$\pm 0.15$	$\pm 3.00$	$\pm 0.1$	$\pm 2.00$
50-300	5	300	$\pm 2.1$	$\pm 0.70$	$\pm 0.75$	$\pm 0.25$
		150	$\pm 1.5$	$\pm 1.00$	$\pm 0.75$	$\pm 0.50$
		50	$\pm 0.75$	$\pm 1.50$	$\pm 0.4$	$\pm 0.80$

\* ONilab specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655