

# Mechanical Pipette



Single-channel Adjustable Volume							
Parameters /Model	Volume Range	Increment	Test Volume (μl)	Accuracy error		Precision error	
				%	μl	%	μl
TopPette	0.1-2.5μl	0.05μl	2.5	2.50%	0.0625	2.00%	0.05
			1.25	3.00%	0.0375	3.00%	0.0375
			0.25	12.00%	0.03	6.00%	0.015
	0.5-10μl	0.1μl	10	1.00%	0.1	0.80%	0.08
			5	1.50%	0.075	1.50%	0.075
	2-20μl	0.5μl	1	2.50%	0.025	1.50%	0.015
			20	0.90%	0.18	0.40%	0.08
	5-50μl	0.5μl	10	1.20%	0.12	1.00%	0.1
			2	3.00%	0.06	2.00%	0.04
	10-100μl	1μl	50	0.60%	0.3	0.30%	0.15
			25	0.90%	0.225	0.60%	0.15
	20-200μl	1μl	100	0.80%	0.8	0.15%	0.15
			50	1.00%	0.5	0.40%	0.2
			10	3.00%	0.3	1.50%	0.15
	50-200μl	1μl	200	0.60%	1.2	0.15%	0.3
			100	0.80%	0.8	0.30%	0.3
	100-1000μl	5μl	20	3.00%	0.6	1.00%	0.2
			200	0.60%	1.2	0.15%	0.3
			100	0.80%	0.8	0.30%	0.3
	200-1000μl	5μl	50	1.00%	0.5	0.40%	0.2
			1000	0.60%	6	0.20%	2
			500	0.70%	3.5	0.25%	1.25
	1000-5000μl	50μl	100	2.00%	2	0.70%	0.7
			1000	0.60%	6	0.20%	2
500			0.70%	3.5	0.25%	1.25	
2-10ml	0.1ml	200	0.90%	1.8	0.30%	0.6	
		5000	0.50%	25	0.15%	7.5	
		2500	0.60%	15	0.30%	7.5	
		10ml	0.60%	60	0.20%	20	
		5ml	1.20%	60	0.30%	15	
		2ml	3.00%	60	0.60%	12	

Single-channel Fixed Volume								
Parameters /Model	Volume Range	Increment	Test Volume (μl)	Accuracy error		Precision error		
				%	μl	%	μl	
TopPette	5μl	-	5μl	1.30%	0.065	1.2%	0.06	
	10μl	-	10μl	0.80%	0.08	0.8%	0.08	
	20μl	-	20μl	0.60%	0.12	0.5%	0.1	
	25μl	-	25μl	0.50%	0.125	0.3%	0.075	
	50μl	-	50μl	0.50%	0.25	0.3%	0.15	
	100μl	-	100μl	0.50%	0.5	0.3%	0.3	
	200μl	-	200μl	0.40%	0.8	0.2%	0.4	
	250μl	-	250μl	0.40%	1.0	0.2%	0.5	
	500μl	-	500μl	0.30%	1.5	0.2%	1.0	
	1000μl	-	1000μl	0.30%	3.0	0.2%	2.0	
	2000μl	-	2000μl	0.30%	6.0	0.2%	3.0	
5000μl	-	5000μl	0.30%	15	0.15%	7.5		
Eight-channel Adjustable Volume								
Parameters /Model	Volume Range	Increment	Test Volume (μl)	Accuracy error		Precision error		
				%	μl	%	μl	
TopPette Multi-channel	0.5-10μl	0.1μl	10	1.50%	0.15	1.50%	0.15	
			5	2.50%	0.125	2.50%	0.125	
			1	4.00%	0.04	4.00%	0.04	
	5-50μl	0.5μl	50	1.00%	0.5	0.50%	0.25	
			25	1.50%	0.375	1.00%	0.25	
			5	3.00%	0.15	2.00%	0.1	
	50-300μl	5μl	300	0.70%	2.1	0.25%	0.75	
			150	1.00%	1.5	0.50%	0.75	
			50	1.50%	0.75	0.80%	0.4	
	Twelve-channel Adjustable Volume							
	Parameters /Model	Volume Range	Increment	Test Volume (μl)	Accuracy error		Precision error	
					%	μl	%	μl
TopPette Multi-channel	0.5-10μl	0.1μl	10	1.50%	0.15	1.50%	0.15	
			5	2.50%	0.125	2.50%	0.125	
			1	4.00%	0.04	4.00%	0.04	
	5-50μl	0.5μl	50	1.00%	0.5	0.50%	0.25	
			25	1.50%	0.375	1.00%	0.25	
			5	3.00%	0.15	2.00%	0.1	
	50-300μl	5μl	300	0.70%	2.1	0.25%	0.75	
			150	1.00%	1.5	0.50%	0.75	
			50	1.50%	0.75	0.80%	0.4	