Micropipette

manual





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FEATURES

H series



- Ergonomic design
- Very low operating force

- 3-digit volume adjustment

 Bottom half autoclavable (121°C) up to six times



A series



- 4-digit volume adjustment
- High accuracy and precision
- Enhanced ergonomic design
- Autoclavable (121°C) up to six times

MODELS

Model Volume Increment Range (µL) (µL) H10 0.5 - 100.1 H 2 0 2 - 200.2 H 2 0 0 20 - 200 1 H1000 100 - 1000 2

series

A 1 0	0.5 – 10	0.01
A 2 0	2 – 20	0.02
A 2 0 0	20 – 200	0.2
A 1 0 0 0	100 – 1000	1



SETTING THE VOLUME

Turn the volume adjustment dial counterclockwise to increase the volume and clockwise to decrease the volume.

CA	UT	10	N:

Setting the volume outside of the recommended range may result in permanent damage.

H series				
H10	H20	H20 H200 H1000		
0	1	1	0	
7	2	2	7	
5	5	5	5	
7.5 µL	12.5 µL	125 µL	750 µL (.75 mL)	

A series			
A 1 0	A 2 0	A200	A1000
0	1	1	0
7	2	2	7
5	5	5	5
0	0	0	0
7.50 µL	12.50 µL	125.0 µL	750 μL (.75 mL)

TYPICAL SPECIFICATIONS

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Model	,		Precision		
	(µL)	±%	±μl	≤%	≤µl
	1	3	0.03	1.50	0.015
H10	5	2	0.1	0.80	0.04
	10	1.2	0.12	0.50	0.05
	2	6	0.12	2.00	0.04
H20	10	1.5	0.15	0.60	0.06
	20	1.2	0.24	0.40	0.08
	20	2	0.4	0.60	0.12
H200	100	0.8	0.8	0.30	0.3
	200	0.8	1.6	0.20	0.4
	100	1.8	1.8	0.40	0.4
H1000	500	0.8	4	0.30	1.5
	1000	0.8	6	0.20	2

Model	Volume Accuracy		Precision		
	(µL)	±%	±μl	≤ %	≤µl
	1	2.5	0.025	1.25	0.0125
A10	5	1.5	0.075	0.60	0.03
	10	1	0.1	0.40	0.04
	2	5	0.1	1.50	0.03
A20	10	1	0.1	0.50	0.05
	20	1	0.2	0.30	0.6
	20	1.5	0.3	0.50	0.1
A200	100	0.8	0.8	0.25	0.25
	200	0.6	1.2	0.15	0.3
	100	1.8	1.8	0.40	0.4
A1000	500	0.8	4	0.25	1.25
	1000	0.6	6	0.15	1.5

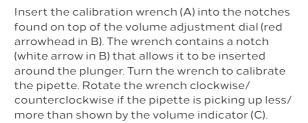
CALIBRATION PROCEDURE

Use these volumes when calibrating your pipettes

Model	Lower calibration volume (µL)	Upper calibration volume (µL)
H10/A10	1	10
H20/A20	2	20
H200/A200	20	200
H1000/A1000	100	1000

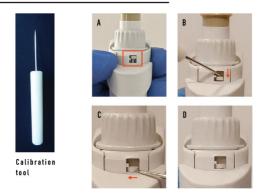
TO CALIBRATE H SERIES PIPETTES:







TO CALIBRATE A SERIES PIPETTES:



Push down the tip ejector button (A). This will reveal a small window (red box in A). Inside, you will find a teardrop-shaped plastic latch attached to the top of a metal rod. Use the calibration tool to press the latch down (B), then rotate it to the left (C). The pointed tip of the plastic latch should catch under the notch of the left side of the window*. Now, the pipette is in calibration mode and you can turn the volume adjustment dial to calibrate the pipette (D). Rotate the volume adjuster dial clockwise/counterclockwise if the pipette is picking up less/more than shown by the volume indicator. To take the pipette out of calibration mode, use the calibration tool to release the plastic latch.

* If the latch doesn't catch, check to ensure that you have successfully rotated the pointed tip of the latch all the way to the left.