

# pipetty®

**More efficient,  
More convenient,  
More accurate**



1

Small/Light/Pen-type Grip  
(Patented)

2

High accurate multiple  
dispensing

3

Automatical dispensing  
volume compensation



**WHAT'S  
NEW**

Continuous operation  
frequency is 1.5 times  
higher than  
conventional models

Blowout function

Memory function

## Specification

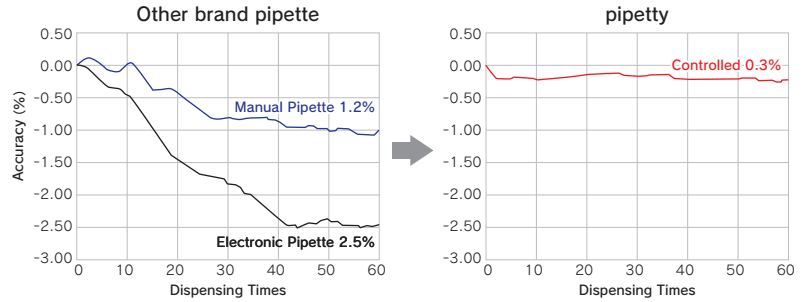
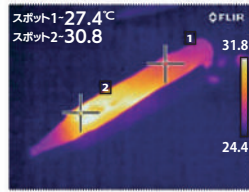
Product No.	MSIC01-03-20	MSIC01-03-250	MSIC01-03-1000	
Range of dispensing	0.1-20µL	1-250µL	5-1000µL	
Accuracy assurance range	2-20µL	20-250µL	100-1000µL	
Single Dispensing	Repeatability (C.V)	20µL ≤ 0.4% 2µL ≤ 2.0%	250µL ≤ 0.15% 20µL ≤ 0.8%	1000µL ≤ 0.15% 100µL ≤ 0.5%
	Accuracy	20µL ± 1.0% 2µL ± 3.5%	250µL ± 0.5% 20µL ± 2.5%	1000µL ± 0.5% 100µL ± 1.5%
Multiple Dispensing	Repeatability (C.V)	2µL ≤ 3.5%	20µL ≤ 2.0%	100µL ≤ 1.5%
	Accuracy	2µL ± 5.0%	20µL ± 3.0%	100µL ± 2.0%
Outside dimension (mm)	20 × 54 × 185	20 × 54 × 181	20 × 54 × 181	
Weight	Approximately 75g (including battery)			
Power	AAA battery (Ni-MH/Rechargeable)			

● Attachable tip

WATSON, GILSON, Eppendorf, Greiner Bio-One, Thermo Fisher Scientific,  
RAININ, Compatible with other brand general tips  
※ Recommend tips : Thermo Fisher Scientific (ART Tips, Finn Tips)

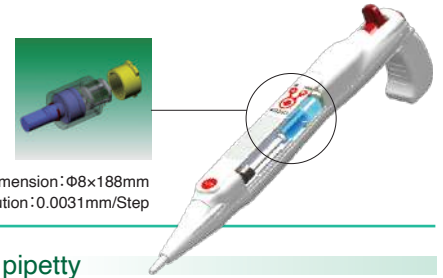
# Feature 1 High accurate dispensing against “Hand Warming”!

Both of manual and electronic pipettes have the problem of “Hand Warming”, that effect to dispensing accuracy, due to hand heat is transmitted inside of syringe. As a result of measuring how much hand heat effects to the accuracy, the temperature outside of pipette rose 5.8 °C in about 20 minutes, and the dispensing accuracy changed 1.8%. “pipetty” have installed thermal sensor and is the only pipette in the world that automatically compensate the dispensing volume according to the temperature.

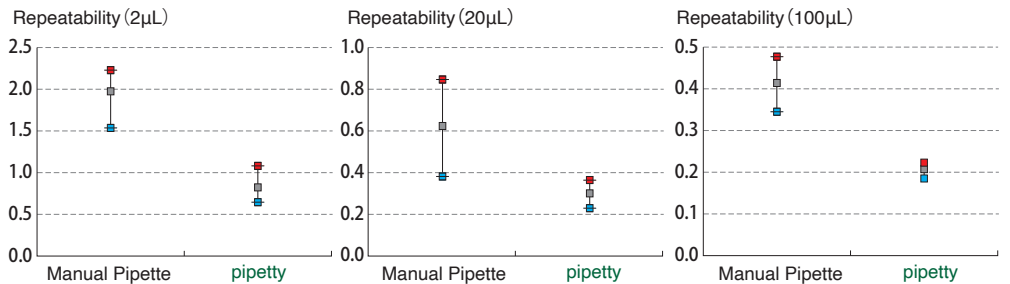


# Feature 2 High accurate dispensing

pipetty is powered by our micro actuator of paradox gear mechanism. The high resolution enables the pipetty to control fine liquid control, and high precision dispensing is always possible regardless of the researcher's technique.



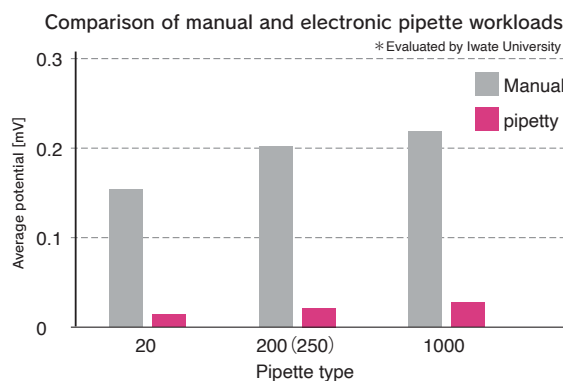
## Manual Pipette vs pipetty



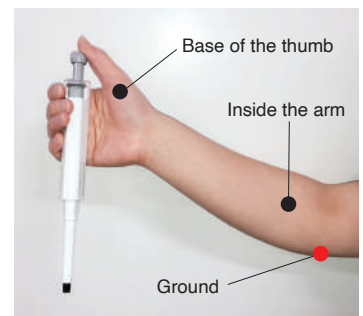
# Feature 3 Reduces the burden of long-time dispensing work

## Comparison of workload between pipetty and manual pipette

Manual pipettes are overloaded with longer piston strokes as the dispensing volume increases. On the other hand, the data showed that the pipetty requires only simple push of button at any volume, and the load is small. In addition, because aspiration and dispensing can be performed at a constant speed, contamination during aspiration and foaming during dispensing can be suppressed.



## EMG sensor measurement position



**Product Customization** This product can be customized to meet your needs. Please feel free to contact us.

[Manufacturer]



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