

03

LIQUID HANDLING



Precipette™

SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTE



Features:

- Ergonomic design of low plunger pressure avoids repetitive strain injuries
- Volume range of 0.1ul -10ml
- Large 4-position volume display and high display accuracy up to 0.002ul
- Durable high-tech synthetic material provides excellent resistance to high temperature, corrosion and weather
- Reasonable structure and exquisite technology make flexible assembling and disassembling.
- Tip ejector makes easy and quick tip change
- High-elastic tip cone provides good seal and easy removal of tips
- Easy to calibrate and maintain with tools supplied
- Different volume range is identified by different color top
- Calibrated in accordance with ISO8655 and each pipette supplied with individual test certificate
- The lower section can be autoclaved



SPECIFICATIONS:

Precipette™ SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTE

Model	Volume Range	Increment	Tip Type	Color
LH0301001	0.1-2.0µl	0.002µl	10µl	Brown
LH0301002	0.5-10µl	0.01µl	10µl	Orange
LH0301003	2-20µl	0.02µl	200µl	Purple
LH0301004	5-50µl	0.05µl	200µl	Green
LH0301005	10-100µl	0.1µl	200µl	Dark Blue
LH0301006	20-200µl	0.2µl	200µl	Blue
LH0301007	100-1000µl	1µl	1000µl	Red
LH0301008	1000-5000µl	5µl	5ml	Yellow
LH0301009	1-10ml	10µl	10ml	Grey

ADJUSTABLE VOLUME PIPETTE

Features:

- Ergonomic design
- Volume range of 0.1ul to 10ml
- Digital display clearly reads volume setting
- Easy to calibrate and maintain with the tool supplied
- Safe tip cone filters can prevent internal contamination and damage on pipette
- The tip core can be autoclaved (121°C, 20 minutes)
- Calibration, maintenance and repair services can be available to extend the lifetime and ensure the continuous accuracy





SPECIFICATIONS:

SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTE

Model	Volume Range	Increment	Maximum permissible systematic error (Inaccuracy)	Maximum permissible random error (Imprecision)
TS-GP-01	0.1-2.5 μ l	0.05ul	\pm 2.5%	\pm 2.00%
TS-GP-02	0.5-10 μ l	0.1ul	\pm 1.0%	\pm 0.80%
TS-GP-03	2-20 μ l	0.5ul	\pm 0.9%	\pm 0.40%
TS-GP-04	5-50 μ l	0.5ul	\pm 0.6%	\pm 0.30%
TS-GP-05	10-100 μ l	1ul	\pm 0.8%	\pm 0.20%
TS-GP-06	20-200 μ l	1ul	\pm 0.6%	\pm 0.20%
TS-GP-07	100-1000 μ l	5ul	\pm 0.6%	\pm 0.20%
TS-GP-08	1000-5000 μ l	50ul	\pm 0.5%	\pm 0.20%
TS-GP-09	1-10ml	100ul	\pm 0.6%	\pm 0.20%

8 - CHANNEL ADJUSTABLE VOLUME PIPETTE

Model	Volume Range	Increment	Maximum permissible systematic error (Inaccuracy)	Maximum permissible random error (Imprecision)
TS-SP-12	0.5-10 μ l	0.1ul	\pm 1.5%	\pm 1.50%
TS-SP-13	5-50 μ l	0.5ul	\pm 1.0%	\pm 0.50%
TS-SP-14	50-300 μ l	5ul	\pm 0.7%	\pm 0.25%

12 - CHANNEL ADJUSTABLE VOLUME PIPETTE

Model	Volume Range	Increment	Maximum permissible systematic error (Inaccuracy)	Maximum permissible random error (Imprecision)
TS-SP-15	0.5-10 μ l	0.1ul	\pm 1.5%	\pm 1.50%
TS-SP-16	5-50 μ l	0.5ul	\pm 1.0%	\pm 0.50%
TS-SP-17	50-300 μ l	5ul	\pm 0.7%	\pm 0.25%

PIPETTE STAND



- The linear stand can hold up to 6 single and multi-channel pipettes



ELECTRONIC PIPETTE

Features:

- Compact, lightweight and ergonomic design.
- More advanced and user-friendly than manual pipette. Simplify pipetting and labor-saving
- High performance motor assures high precision, consistency and eliminates manual pipetting errors
- Large capacity two-battery enable longer operation time, easy to remove external battery
- Optimized design of screen to reduce repeat operations
- Adjustable speeds for aspirating and dispensing
- Self-calibration
- A wide choice of pipetting modes



SPECIFICATIONS:

SINGLE-CHANNEL ELECTRONIC PIPETTE-ONE PIEPET SERIES

Model	Volume Range	Increment	Volume (ul)	Inaccuracy		Imprecision	
				±ul	≤%	±ul	≤%
EP0601121	0.2-10ul	0.1ul	1	0.025	2.5	0.015	1.5
			5	0.075	1.5	0.035	0.7
			10	0.1	1	0.04	0.4
EP0601131	0.5-20ul	0.1ul	2	0.15	7.5	0.04	2
			10	0.15	1.5	0.05	0.5
			20	0.2	10.04	0.06	0.3
EP0601141	2-100ul	0.5ul	10	0.2	2	0.1	1
			50	0.4	0.8	0.15	0.3
			100	0.6	0.6	0.15	0.15
EP0601151	5-200ul	1ul	20	0.5	2.5	0.2	1
			100	0.8	0.8	0.025	0.25
			200	0.75	0.75	0.04	0.2
EP0601161	10-500ul	2ul	50	0.8	1.6	0.35	0.7
			250	1.2	0.48	0.6	0.24
			500	2	0.4	0.8	0.16
EP0601171	50-1000ul	5ul	100	2	2	0.6	0.6
			500	2.5	0.5	1	0.2
			1000	4	0.4	1.5	0.15
EP0601181	0.1-5ml	25ul	500	5	1	2.5	0.5
			2500	12.5	0.5	5	0.2
			5000	30	0.6	10	0.2
EP0601191	1-10ml	100ul	1000	50	5.0	6	0.6
			5000	50	1.0	10	0.2
			10000	60	0.6	16	0.16

8-CHANNEL ELECTRONIC PIPETTE

Model	Volume Range	Increment	Volume (ul)	Inaccuracy		Imprecision	
				±ul	≤%	±ul	≤%
EP0601211	0.2-10ul	0.1ul	1	0.025	2.5	0.015	1.5
			5	0.06	1.2	0.02	0.4
			10	0.008	0.8	0.025	0.025
EP0601221	5-100ul	0.5ul	10	0.2	2	0.1	1
			50	0.4	0.8	0.12	0.24
			100	0.5	0.5	0.15	0.15
EP0601231	10-300ul	2ul	30	0.75	2.5	0.24	0.8
			150	1.05	0.7	0.3	0.2
			300	1.2	0.4	0.45	0.15

12-CHANNEL ELECTRONIC PIPETTE

Model	Volume Range	Increment	Volume (ul)	Inaccuracy		Imprecision	
				±ul	≤%	±ul	≤%
EP0601411	0.2-10ul	0.1ul	1	0.025	2.5	0.015	1.5
			5	0.06	1.2	0.02	0.4
			10	0.008	0.8	0.025	0.025
EP0601421	5-100ul	0.5ul	10	0.2	2	0.1	1
			50	0.4	0.8	0.12	0.24
			100	0.5	0.5	0.15	0.15
EP0601431	10-300ul	2ul	30	0.75	2.5	0.24	0.8
			150	1.05	0.7	0.3	0.2
			300	1.2	0.4	0.45	0.15

BOTTLE-TOP DISPENSER

Features:

- Excellent chemical resistance
- Fully autoclavable at 121°C
- 4 range of bottle-top dispenser cover a volume range from 0.5 mL to 50mL
- Easy to clean and maintain
- The optional flexible discharge tube with safety handle permits fast and precise dispensing
- Made of PTFE, FEP, BSG, PP
- Vapor pressure Max. 500mbar, viscosity max. 500mm²/s, temperature max. 40 degree, density max. 2.2g/cm³
- 5 adapters of 45/40mm, 45/32mm, 45/38mm, 32/25mm, 32/28mm are supplied with the dispenser



ACCESSORIES

Adapter 45/40mm

Adapter 45/32mm

Adapter 45/38mm

Adapter 32/25mm

Adapter 32/28mm

Reagent Bottle (Brown, 1L)

Filling tube (m)

Discharge tube (m)

SPECIFICATIONS:

Code	Volume Range	Graduation	A ≤ ±		CV ≤	
TD-BD-01	0.5-5mL	0.1mL	0.5%	25μL	0.1%	5μL
TD-BD-02	1.0-10mL	0.2mL	0.5%	50μL	0.1%	10μL
TD-BD-03	2.5-25mL	0.5mL	0.5%	125μL	0.1%	25μL
TD-BD-04	5.0-50mL	1mL	0.5%	250μL	0.1%	50μL

PIPETTE FILLER



Features:

- For use with pipettes from 0.1-100mL
- Eight speeds are available for aspirate and dispense liquid
- Large LCD display provides visual confirmation of remaining battery charge and speed settings
- Easy for one-handed operation
- Lightweight, ergonomic design allow longer, fatigue-free pipetting
- Efficient lithium-ion battery offers long runtime on each charge
- Low battery alert
- Powerful motor fills a 25mL in < 5 seconds
- Supplied with integral but replaceable 0.45um filter
- Can be used while charging

SPECIFICATIONS:

Model	TD-PF-01
Aspirate Speeds	8
Dispense Speeds	8 Gravity Dispense
Battery	Lithium-Ion
Battery Service Life	More than 8 Hours of Intermittence Use
Charging Time	2-3 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45µm Hydrophobic

PIPETTE CONTROLLER

Features:

- Works with 0.1-100mL graduated glass and plastic pipettes
- Filling and delivery are easily controlled with a small sensitive lever
- With integral and replaceable filter
- Precise pipetting control
- Blue, Green, Red, Yellow and black are available

Blow-out and discharge liquid by pressing down on the lever

Filling and the fill rate can be varied with the pipetting lever

Delivery and the flow rate does not affect accuracy due to the valve system



PIPETTE PUMP



Features:

- Precise aspirating and dispensing by one-hand operation
- 2ml in blue, 10ml in green and 25ml in red are available
- Resistant to acids and alkalis
- Easy to disassemble for cleaning

