

# P Pipetors, Dispenser



## Model: BTD, Bottle Top Dispenser

### Product Specifications:

<b>Piston</b>	Polypropylene
<b>Cylinder</b>	Glass
<b>Housing</b>	Polypropylene
<b>Volume adjustment</b>	Locking rocker switch
<b>Valve assembly</b>	Glass Ball & Seat
<b>Discharge Assembly</b>	Teflon
<b>Delivery tube</b>	Polypropylene
<b>Calibration</b>	Individually calibrated and certified
<b>Accuracy &amp; Reproducibility</b>	In accordance with ISO 8655 standards
<b>Compatibility</b>	Excellent- Suitable for most reagents except HF
<b>Bottle Thread Size</b>	30mm
<b>Additional Adaptors</b>	25mm, 36mm, 45mm

### Features:

Three models with adjustable volumes: (a) 0.5-2.5 ml (b) 1.0-5.0 ml (c) 2.0-10.0ml

● Easy to use, simple construction & a good chemical compatibility ● Smooth, effortless plunger movement

● Each instrument comes with four adaptors to fit in most of the laboratory reagent bottles. Standard threads: 30mm Adaptors : 25mm, 36mm and 45mm ● Safety discharge system reduces the risk of accidental dispensing ● Nozzle cap prevents any unwanted drop on the work space ● Instrument is fully autoclavable at 121°C, 15psi. No Need for dis-assembling the instrument for autoclaving ● Easy to dis-assemble for cleaning & servicing In-lab, user re-calibration is possible in compliance with GLO/ISO Norms.

### Specifications & Ordering Information. Bottle Top Dispenser:

Model No.	Vol. Range	Increment	Accuracy		CV	
			±%	±%ml	±%	±%ml
BTD-1	0.25-2.5ml	0.05ml	0.6	0.012	0.2	0.004
BTD-2	0.5-5ml	0.1ml	0.6	0.030	0.2	0.010
BTD-3	1-10ml	0.2ml	0.6	0.060	0.2	0.020



## Model: ME-Series, Electronic Micropipettes

### Features:

Based on Stepper Motor Technology ● User friendly software ● Recharging during operation ● Optimized ergonomics & working comfort ● Built-in tip ejector ● 6 models cover the complete Pipetting range from 0.2 µl to 10000 µl ● Mode: Stepper mode, Dilution mode, Standard mode, Calibration mode ● Variable Working Speed can be selected on a scale of 1-5: Easy volume selection from 'UP' & 'DOWN' keys ● Large Fire Button: Single 'FIRE BUTTON' for filling and dispensing ● Large Liquid Crystal Display: Two line Alphanumeric LCD ● Calibration: User friendly calibration mode facilitates easy calibration by the user.

### Specifications:

Model.	Vol. Range	Increments	Tip Style
ME-10	0.2-10 µl	0.05 µl	10 µl
ME-120	5-120µl	0.5µl	200 µl
ME-300	20-300µl	1.0µl	300 µl
ME-1000	50-1000µl	5.0µl	1000 µl
ME-5000	100-5000µl	10.0µl	5000 µl
ME-10000	500-10000µl	50.0µl	10000 µl

## Model: FV-Series, Single Channel Micropipettes



### Features:

- Fixed volume pipettes are available in all capacities from 0.5µl to 10000µl (10ml).
- Call our customer service for any custom-made Fixed Volume Micropipette.
- Low cost and very high accuracy.
- Ideal for Clinical diagnostics, Routine tests, Control analysis etc.

### Specifications:

Model	Vol.	Accuracy		Precision	
		±%	±µl	±%	±µl
FV-1	1	2.5	0.025	1.8	0.018
FV-2	2	2.5	0.04	1.2	0.024
FV-5	5	1.5	0.075	0.8	0.04
FV-10	10	1.0	0.1	0.5	0.05
FV-20	20	0.5	0.1	0.3	0.06
FV-25	25	0.5	0.125	0.3	0.075
FV-50	50	0.3	0.15	0.3	0.15
FV-100	100	0.3	0.3	0.2	0.2
FV-200	200	0.3	0.6	0.2	0.4
FV-250	250	0.3	0.75	0.2	0.5
FV-500	500	0.3	1.5	0.2	1.0
FV-1000	1000	0.3	3.0	0.2	2.0
FV-2000	2000	0.3	6.0	0.2	4.0
FV-5000	5000	0.3	15.0	0.2	10.0
FV-10000	10000	0.3	30.0	0.2	20.0

## Models: WCS-Series, Adjustable Volume Micropipettes

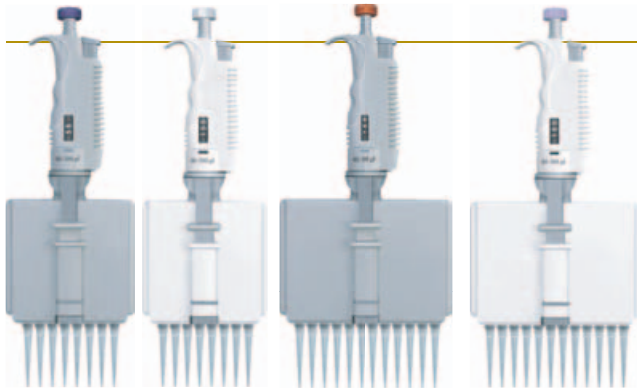


### Specifications:

Model No.	Vol. Range	Increment	Vol.	Accuracy		Precision	
				±%	±%ml	±%	±%ml
WCS-10	0.5-10µl	0.1ml	0.5ml	5.0	0.025	2.8	0.014
			5.0ml	1.5	0.075	0.8	0.004
			10.0ml	1.0	0.1	0.4	0.004
WCS-20	2-20µl	0.1ml	2.0ml	5.0	0.1	1.5	0.03
			10.0ml	1.0	0.1	0.6	0.06
			20.0ml	1.0	0.2	0.3	0.06
WCS-50	5-50µl	1.0ml	5.0ml	2.5	0.125	1.5	0.075
			25.0ml	0.7	0.175	0.3	0.075
			50.0ml	0.7	0.35	0.3	0.15
WCS-100	20-100µl	1.0ml	20.0ml	2.5	0.25	0.7	0.07
			50.0ml	0.8	0.4	0.15	0.15
			100.0ml	0.8	0.8	0.15	0.15
WCS-200	40-200µl	1.0ml	40.0ml	2.5	0.5	0.7	0.014
			100.0ml	1.0	1.0	0.3	0.3
			200.0ml	0.6	1.2	0.2	0.2
WCS-1000	200-0µl	10.0ml	200ml	1.6	1.6	0.3	0.3
			500ml	0.6	3.0	0.2	1.0
			1000ml	0.5	5.0	0.2	2.0
WCS-5000	1-5ml	100.0ml	1000ml	1.5	7.5	0.3	1.5
			2500ml	0.6	15.0	0.2	5.0
			5000ml	0.6	30.0	0.2	10.0
WCS-10000	2-10ml	100.0ml	2000ml	1.5	15.0	0.3	3.0
			5000ml	0.6	30.0	0.2	15.0
			10000ml	0.6	60.0	0.2	30.0

### Features:

Eight volume ranges from 0.5 µl to 10000µl let you select the right pipette for your application ● Easy volume setting by simply turning the plunger. Does not snag gloves. ● Click stop digital system-click sound at each increment during volume setting ensures no unwanted volume alterations during pipetting ● Separate, streamlined tip ejector designed for access to narrow necked containers & tubes ● Easy to calibrate & service ● Autoclavable tip cone & lower section assembly ● Ergonomy, light weight and soft plunger movement provides added comforts & minimizes hand fatigue ● Two step plunger operation allows "reverse pipetting technique" during pipetting from the same tip ● While dealing with detergent solutions. This also facilitates last drop dispensing ● High accuracy and precision guaranteed. Specifications conform to ISO 8655 Standards.



## Models: MC/MCA-Series, Multichannel Micropipettes

### Specifications for MC & MCA-Series:

Model MC/MCA	Vol. Range	Increments	Test Vol.	Inaccuracy	Imprecision
8/12-10	0.5-10	0.1µl	1µl	4.00%	4.00%
			5µl	2.50%	2.50%
			10µl	1.50%	1.50%
8/12-20	2-20	0.1µl	2µl	4.00%	4.00%
			10µl	1.50%	1.50%
			20µl	1.50%	1.00%
8/12-50	5-50	1µl	5µl	3.00%	2.00%
			25µl	1.50%	1.00%
			50µl	0.50%	0.50%
8/12-100	10-100	1µl	10µl	1.50%	1.50%
			50µl	1.00%	0.50%
			100µl	1.00%	0.50%
8/12-300	40-300	1µl	40µl	1.50%	0.80%
			150µl	1.00%	0.50%
			300µl	0.70%	0.25%

### Features:

- High accuracy and precision for 96-well microtitre plates.
- Extended volume range upto 300µl.
- Comfortable, light weight and soft plunger movement.
- Separate tip ejector allows easy tip ejection.
- Recommended for ELISA, Molecule screening, Kinetic studies, DNA amplifications etc.



## Models: MPF-Series, E-Fill

Electronic Pipette Filling Device: Easy, Efficient, Electronic, Economical

### Features:

- Two LEDs to show charging status and low battery.
- Continuous adjustment of pump speed during operations.
- An universal Silicon collet is provided to accept all standard pipettes up to 100ml.
- Internal knurling on the collet holds the pipette firmly.
- Comfortable grip.
- Line membrane filter of 0.2 micron prevents Aerosol contamination & liquid from entering the equipment by accident.
- Ni-MH 3.6 rechargeable battery allows eight hours of continuous working.