



**Liquid
Handling**

Electronic pipettors

iPette Electronic Pipettors

Features

- High accuracy, high performance stepper motor ensures accuracy and repeatability, eliminating manual pipetting errors
- A motor driven digital control pipette with multifunction Pipetting, Mixing, Stepper and Dilution
- 2 buttons handle all operational settings
- Light weight, ergonomic design, small body dimension for easy handling that guarantees fatigue free pipetting
- High accuracy, high performance stepper motor ensures accuracy and repeatability, eliminating manual pipetting errors
- A wide range of pipetting modes for selection
- Adjustable speeds for aspiration and dispensing
- Li-ion battery and dual charging modes enable longer operation time
- Self calibration – iPette can be connected to a PC via. USB for calibration by the user. Third party calibration is not required



Specifications

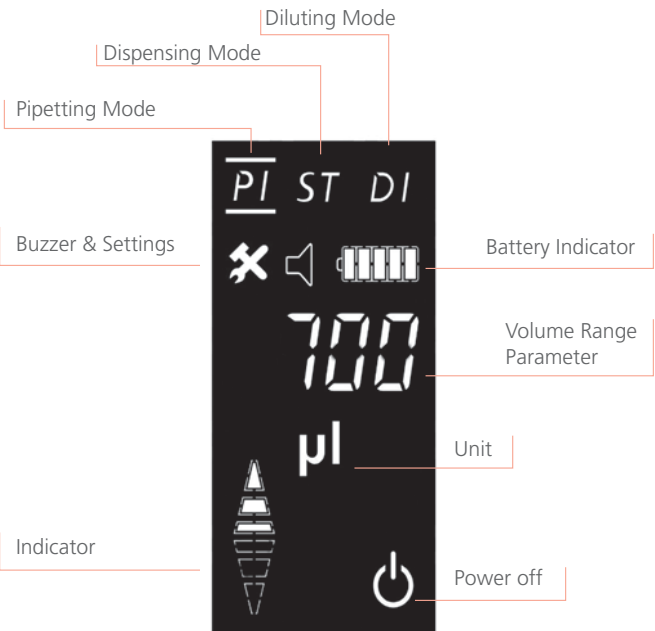
Channels	Volume Range	Increment	Test Volume	Error limits in accordance to ISO8655-2			
				accuracy error		precision error	
				μL	%	s.d.* μL	CV%*
1	0.5-10	0.01	10	± 0.10	± 1.00	0.05	0.50
			1	± 0.035	± 3.50	0.03	3.00
1	5-50	0.1	50	± 0.40	± 0.80	0.15	0.30
			5	± 0.15	± 3.00	0.125	2.50
1	30-300	1	300	± 1.80	± 0.60	0.60	0.20
			30	± 0.90	± 3.00	0.21	0.70
1	100-1000	5	1000	± 6.00	± 0.60	2.00	0.20
			100	± 3.00	± 3.00	0.60	0.60

* s.d. = Standard Deviation

*CV = Coefficient of Variation

Electronic pipettors

iPette is an innovative electronic pipette developed by SCIOLOGEX. It combines the feature of manual pipette as ergonomic and light weight with the feature of electronic pipette as labor-saving and high performance, it offers new pipetting experience to the users.



Mechanical Pipettes

MicroPette plus

121°C
HALF
Autoclavable

Features

- Fully autoclavable
- Ergonomic design provides excellent operating experience
- Easy-to-read volume display
- The pipettes cover the volume range from 0.1µL to 10mL
- Easy calibration and maintenance
- Manufactured from innovative materials
- Each MicroPette Plus supplied with an individual calibration certificate according to ISO8655



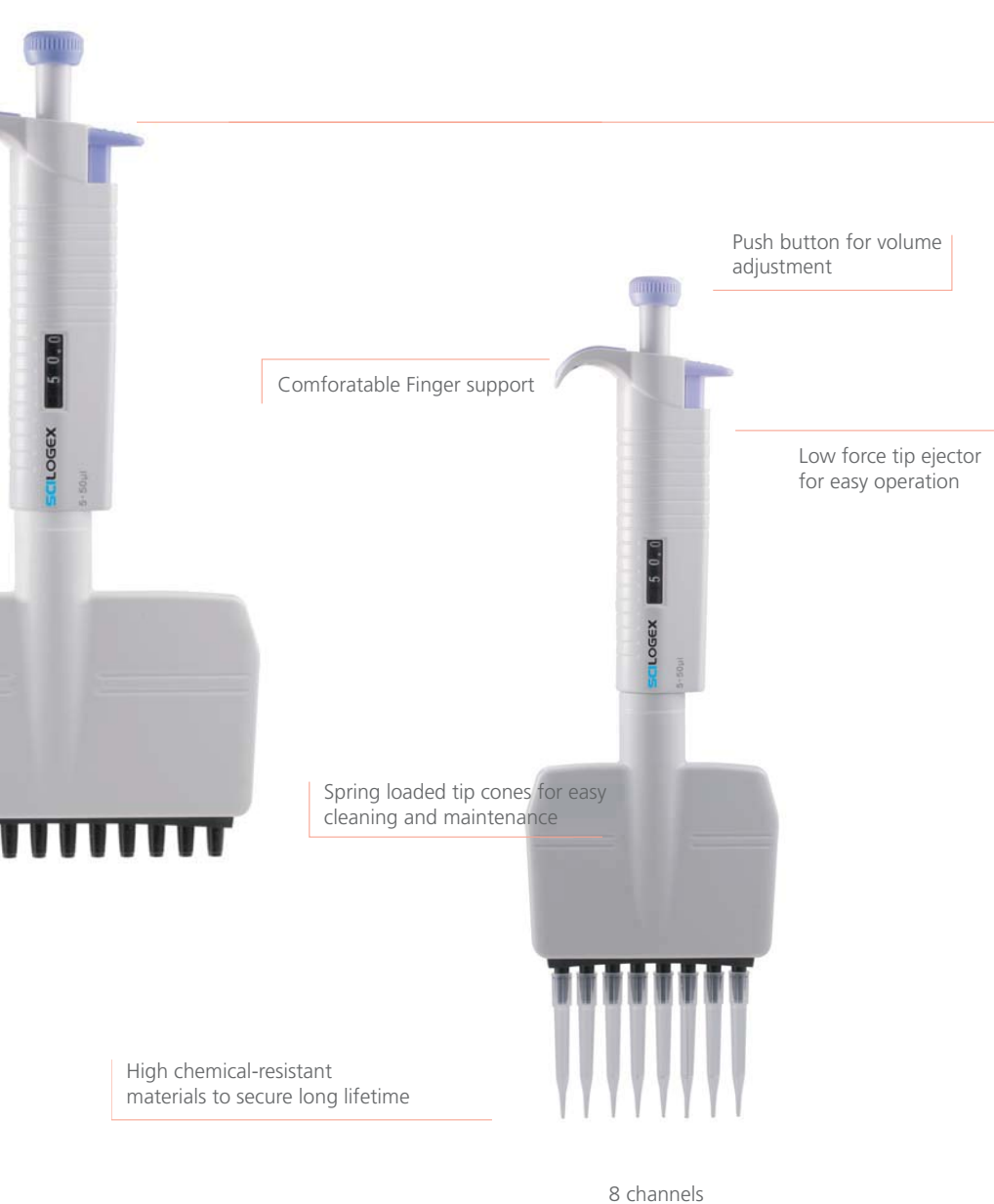
MicroPette plus multi-channel

121°C
FULLY
Autoclavable

Features

- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly allow for easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands





Fully autoclavable

The MicroPette Plus pipettes are fully autoclavable, enable easy cleaning and reduce the risk of contamination. Steam autoclaving can be performed at 121°C, 1 bar for 20 minutes. After autoclaving, the pipette must be cooled down and left to dry for 12 hours before use.

It is recommended to check the performance of the pipette after each autoclaving. Greasing and sealing of the pipette piston after every 10th autoclaving will secure an enhanced function.



Mechanical pipettors

MicroPette

Features

- Pipettes cover a volume range from 0.1 µL to 10mL
- Ergonomic design provides excellent operating experience
- Large display window allows for easy volume identification
- Easy calibration and maintenance
- Each MicroPette supplied with an individual calibration certificate according to ISO8655

121°C
HALF
Autoclavable



MicroPette multi-channel

121°C
HALF
Autoclavable

Features

- 8 and 12 channel pipettes are appropriate for 96 well plates
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assemblies allowing easy repair and maintenance
- Compound material-made tip cone secures high sealing performance
- Compatible with most universal tip brands





Calibration

All SCILOGEX pipettes have been quality tested according to ISO8655-2:2002 and are supplied with individual calibration certificates. The quality control includes gravimetric testing of each pipette with distilled water at 22°C. Our website www.scilogex.com allows users to access SCILOGEX online calibration software and achieve accurate and timely calibration.

Online calibration software is FREE to SCILOGEX pipette users

Mechanical Pipette Volume Selection

Specifications

This list is appropriate for MicroPette and MicroPette plus
(Adjustable and Fixed volume)

Single-channel Adjustable Volume Pipettes						
Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.1-2.5µL	0.05µL	2.5µL	2.50%	0.0625	2.00%	0.05
		1.25µL	3.00%	0.0375	3.00%	0.0375
		0.25µL	12.00%	0.03	6.00%	0.015
0.5-10µL	0.1µL	10µL	1.00%	0.1	0.80%	0.08
		5µL	1.50%	0.075	1.50%	0.075
		1µL	2.50%	0.025	1.50%	0.015
2-20µL	0.5µL	20µL	0.90%	0.18	0.40%	0.08
		10µL	1.20%	0.12	1.00%	0.1
		2µL	3.00%	0.06	2.00%	0.04
5-50µL	0.5µL	50µL	0.60%	0.3	0.30%	0.15
		25µL	0.90%	0.225	0.60%	0.15
		5µL	2.00%	0.1	2.00%	0.1
10-100µL	1µL	100µL	0.80%	0.8	0.15%	0.15
		50µL	1.00%	0.5	0.40%	0.2
		10µL	3.00%	0.3	1.50%	0.15
20-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		20µL	3.00%	0.6	1.00%	0.2
50-200µL	1µL	200µL	0.60%	1.2	0.15%	0.3
		100µL	0.80%	0.8	0.30%	0.3
		50µL	1.00%	0.5	0.40%	0.2
100-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		100µL	2.00%	2	0.70%	0.7
200-1000µL	5µL	1000µL	0.60%	6	0.20%	2
		500µL	0.70%	3.5	0.25%	1.25
		200µL	0.90%	1.8	0.30%	0.6
1000-5000µL	50µL	5000µL	0.50%	25	0.15%	7.5
		2500µL	0.60%	15	0.30%	7.5
		1000µL	0.70%	7	0.30%	3
2-10mL	0.1mL	10mL	0.60%	60	0.20%	20
		5mL	1.20%	60	0.30%	15
		2mL	3.00%	60	0.60%	12



8-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

12-channel Adjustable Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
0.5-10µL	0.1µL	10µL	1.50%	0.15	1.50%	0.15
		5µL	2.50%	0.125	2.50%	0.125
		1µL	4.00%	0.04	4.00%	0.04
5-50µL	0.5µL	50µL	1.00%	0.5	0.50%	0.25
		25µL	1.50%	0.375	1.00%	0.25
		5µL	3.00%	0.15	2.00%	0.1
50-300µL	5µL	300µL	0.70%	2.1	0.25%	0.75
		150µL	1.00%	1.5	0.50%	0.75
		50µL	1.50%	0.75	0.80%	0.4

Fixed Volume Pipettes

Volume Range	Increment	Test Volume	Error limits in accordance with ISO8655-2			
			(Accuracy error)		(Precision error)	
			%	µL	%	µL
5µL	-	5µL	1.3%	0.065	1.2%	0.06
10µL	-	10µL	0.8%	0.08	0.8%	0.08
20µL	-	20µL	0.6%	0.12	0.5%	0.1
25µL	-	25µL	0.5%	0.125	0.3%	0.075
50µL	-	50µL	0.5%	0.25	0.3%	0.15
100µL	-	100µL	0.5%	0.5	0.3%	0.3
200µL	-	200µL	0.4%	0.8	0.2%	0.4
250µL	-	250µL	0.4%	1.0	0.2%	0.5
500µL	-	500µL	0.3%	1.5	0.2%	1.0
1000µL	-	1000µL	0.3%	3.0	0.2%	2.0
2000µL	-	2000µL	0.3%	6.0	0.15%	3.0
5000µL	-	5000µL	0.3%	15	0.15%	7.5

Pipette Filler

Levo Plus Pipette Filler

Features

- Compatible with most of the plastic and glass pipettes from 0.1 -100mL
- Eight speeds of selection for aspiration and dispensing different liquids
- Large LCD display showing low battery warning and speed settings
- Enables single-handed operation with minimum effort
- Light and ergonomic design providing easy usability
- High capacity Li-ion battery enable long runtime of operation
- Powerful pump fills a 25mL pipette in <5 seconds
- 0.45µm replaceable hydrophobic filter
- Rechargeable during use

Large LCD display showing low battery warning and speed settings

Select the desired coarse speed by pressing the button +/-



Aspiration and dispensing operation buttons

Operating button for motor and gravity dispensing



Hydrophobic filter 0.45µm



Silicone adapter for 0.1-100mL pipette tip, fully autoclavable

Specifications

Aspiration Speed	25mL<5s (8 shift)
Dispensing Speed	Motor (8 shift)/Gravity
Battery	Lithium-ion
Battery Service Life	More than 8 Hours of Intermittent Use
Charging Time	2-3 Hours
Pipette Types	Glass or Plastic Pipette (0.1-100mL), Pasteur Pipettes
Filter	0.45µm Hydrophobic
Weight	200g

Levo ME Pipette Filler

Levo ME pipette filler has an excellent feature and ergonomic design, suitable for almost all commonly used glass or plastic pipettes.

Features

- Enables single-handed operation with minimum effort
- Compatible with most of the plastic and glass pipettes from 0.1-100mL
- Easily adjustable speed control
- 0.45µm replaceable hydrophobic filter
- Stable and reliable performance, elegant appearance
- High capacity Li-ion battery enable long operation time.



Specifications

Aspiration Speed	25ml<7s
Dispensing Speed	Motor/Gravity
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
Weight	200g

Pipette Controllers & Pumps

Levo

Pipette Controller

Features

- Ease of use
- Precise pipetting control
- Robust and light weight
- Compatible with most of the plastic and glass pipettes from 0.1 -100mL
- 3µm replaceable hydrophobic filter
- Easy cleaning and maintenance



Compress the suction bellows before attaching the pipette

Button to expel residual liquid when using blow-out pipette

Aspiration and dispensing comfortably achieved with a sensitive lever

Levo E

Pipette Pump

Features

- Volume capacity 2mL, 10mL and 25mL
- Colour-coded by volume with green, blue and red
- Thumb wheel guarantees precise operation
- Resistant to acids and alkalis
- Easy for cleaning and maintenance



3µm replaceable Hydrophobic filter

Silicone adapter for 0.1-100mL pipette tip, fully autoclavable



Designed for single-handed operation, Pipette Pump identifies itself with a thumbwheel, allowing precise aspiration or dispensing. The feature of side lever enables complete liquid dispensing, without a droplet remaining.



Repeat pipettor

Based on the principle of positive displacement, StepMate Stepper is designed for trouble-free and reliable dispensing of liquids, especially for high viscosity, high density and high vapor pressure. The 48-step dispensing allows for enhanced accuracy and usability.

StepMate

Features

- Light and ergonomic solution provides easy usability
- Single-handed operation
- Volume range from 1 μ L to 5 mL
- Up to 48 dispensing steps
- Maintenance free
- Equipped with durable tip
- insertion lever
- Fits seven sizes of disposable polypropylene syringes from 0.5mL to 50mL

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select settings control dispensing volume

By pushing the slide upwards, the syringe is filled up

How to select dispensing volume

Find the required dispensing volume in the table
Use the adjusting wheel to set the required volume
Select and insert a suitable tip
Follow the maximum dispensing steps

Tip volume

Dispensing Volume

Tips	Sel.	1	2	3	4	5
0.05ml		1 μ l	2 μ l	3 μ l	4 μ l	5 μ l
0.50ml		10 μ l	20 μ l	30 μ l	40 μ l	50 μ l
1.25ml		25 μ l	50 μ l	75 μ l	100 μ l	125 μ l
2.50ml		50 μ l	100 μ l	150 μ l	200 μ l	250 μ l
5.00ml		100 μ l	200 μ l	300 μ l	400 μ l	500 μ l
12.50ml		250 μ l	500 μ l	750 μ l	1000 μ l	1250 μ l
25.00ml		500 μ l	1000 μ l	1500 μ l	2000 μ l	2500 μ l
50.00ml		1000 μ l	2000 μ l	3000 μ l	4000 μ l	5000 μ l
Steps		48	23	15	11	8

Steps

The stop lever secures the syringe



Repeat pipettor

The SCIOGEX repeat pipettor is particularly suitable for dispensing of fluids with high viscosity, high vapor pressure etc. Tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) without soft lubricants or other additives.

Specifications

Note: The first and last dispensing liquid should be discarded for precision.

Dial setting		1	2	3	4	5			
Number of steps		48	23	15	11	8			
Cat. No.	Syringe volume (mL)	Sample volume (μL)					A %	P %	Description
17900032	0.50	10	20	30	40	50	± 0.8	≤ 0.7	0.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900033	1.25	25	50	75	100	125	± 0.8	≤ 0.5	1.25mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900034	2.50	50	100	150	200	250	± 0.8	≤ 0.4	2.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900035	5.00	100	200	300	400	500	± 0.4	≤ 0.3	5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900036	12.50	250	500	750	1000	1250	± 0.3	≤ 0.3	12.5mL, piston PE-HD, cylinder PP, 1 packing, 5 pcs/packing
17900037	25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3	25mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter
17900038	50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2	50mL, piston PE-HD, cylinder PP, 1 packing, 2pcs/packing with 1 pc adapter

Electronic Motorized Bottle-Top Burette

iTrite Electronic Titrator

The iTrite Digital Burette provides accurate, precise and convenient bottle-top titration, as well as optimum operator safety. It combines both magnetic stirrer and titrator functions, making it easier for the operator to achieve satisfactory results in the field of analytical chemistry, food industry, water analysis etc.



Features

- High quality motor providing excellent precision and accuracy
- Electronic control decreases the repetitive strain injury
- Remote control panel prevents manual disturbance during operation
- Built-in magnetic stirrer support

Specifications

Volume Range	0.01mL-99.99mL, Max piston lift is 10mL, resolution is 10μL
Volume Accuracy	R=0.2% CV=0.07%
Velocity	16 stages
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Control Type	External control, including the stirrer and the burette program

Electronic Motorized Bottle-Top Dispensers

iFlow

Electronic Motorized Bottle-Top Dispenser

Features

- Motor operation minimizes the grip force
- Electronic control decreases the repetitive strain injury
- Remote control panel prevents manual disturbance during operation
- Two Dispensing modes:
 - dispenser
 - multi-dispense function



Specifications

Volume Range	0.1-99.9mL, Max piston lift is 10mL, resolution is 100µL
Volume Accuracy	Dispenser: R = 10mL ±30µL; CV = 10ml ±10µL Stepper: R = 1mL ±6µL; CV = 1ML ±9µL
Operating Temperature Range	10°C-30°C
Quality Control	DIN EN ISO 8655
Control Type	External control

Bottle-Top Dispensers

DispensMate Bottle-Top Dispenser

Easy-to-use volume adjustment

Smooth piston design provides effortless dispensing

Closure cap protects, against reagent contact and is easy to attach/detach, without taking gloves off.

Adapters allow fitting to standard reagent bottles

Filling tube adjusts easily for different size bottles



Features

- Excellent chemical resistance, components are made of PTFE, FEP, BSG, PP
- Fully autoclavable at 121°C
- Four ranges of bottle-top dispenser covering a volume range from 0.5mL to 50mL
- Easy for cleaning and maintenance
- The optional flexible discharge tube with safety handle permits fast and precise dispensing
- Vapor pressure max. 500mbar, viscosity max. 500mm²/s,
- temperature max. 40°C, density max. 2.2g/cm³
- DispenseMate is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

Specifications

Cat. No.	Volume Range mL	Graduation mL	A≤±		CV≤	
			%	μL	%	μL
731100017777	0.5-5	0.1	0.5	25	0.1	5
731100027777	1.0-10	0.2	0.5	50	0.1	10
731100037777	2.5-25	0.5	0.5	125	0.1	25
731100047777	5.0-50	1.0	0.5	250	0.1	50

Accessories

Cat. No.	Description
17100553	GL45, Adapter, 45mm
17000069	S40, Adapter, 45/40mm
17400017	GL32, Adapter, 45/32mm
17400018	GL38, Adapter, 45/38mm
17400019	GL25, Adapter, 32/25mm
17400020	GL28, Adapter, 32/28mm
17400037	Reagent Bottle (Brown, 1L ,Optional)
17400021	Filling tube(m)
17100073	Discharge tube(m)

Vacuum Aspiration System

SafeVac is designed for laboratory waste recovery and separation of liquid and solid. It can be widely used in cell culture, DNA extraction, microplate waste removal, and any other liquid separation or recovery.



SAFEVAC

Vacuum Aspiration Systems

Features

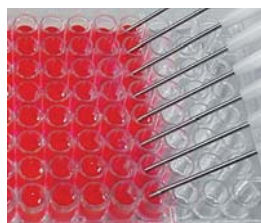
- Vacuum power can be set to different levels to achieve 1mL/S to 15mL/S aspiration speed
- Sensitive level sensor to prevent liquid overflow during operation
- Fully autoclavable waste collection bottle, tubing and handle
- Lid, tubing and handle are easy for disassembling, cleaning and autoclaving
- Wide range of adapters to fit tube, microplate and disk plate for various tasks
- Interchangeable hand operator -tip adapters make it suitable for various tasks from single channel to 8-channel based on the applications in tube, micro plate, disk plate etc.

Specifications

Vacuum range	0-600mbar
Aspirating speed	1-15mL/S
Autoclave component	tube; waste bottle; operation handle;
Dimension[W×D×H]	180×240×450mm
Weight	3kg
Input voltage	100-240VAC, 50/60 Hz
Bottle Volume	4L

Hydrophobic filter
0.45µm
Φ6mm

Wide range of adapters fit well with tube, microplate and disk plate for various of tasks, all of which can be fully autoclaved.



Dispenser & Diluter System



The diluter & dispenser system can greatly improve work efficiency in the sample preparation process. It is widely used in the Analytical Techniques such as High Performance Liquid Chromatography (HPLC), Gas Chromatography (GC), Liquid Scintillation, Atomic Absorption (AA) and Inductively Coupled Plasma Spectroscopy (ICP). It can also be used in forensic Analysis, Mining Industry, Oil Sampling, Environmental Analysis and Reagent Dispensing etc.

DL-D50-Pro Dispenser & Diluter Systems

Features

- It is ideal for dispensing and diluting applications
- Five operating modes enabling fast and precise operation in priming, titration, volume measurements as well as in diluting, dispensing, mixing, pipetting and rinsing.
- Easy-to-use pipelines and easy-to-switch modes
- The high torque, precision stepper motors provide excellent accuracy
- Full range from 250 μ L to 25mL
- Compatible with 7 kinds of Syringes
- Adjustable pipetting speed for 9 stages

Specifications

Accuracy	$\pm 1\%$
Precision	$\pm 0.2\%$
Flow Rate	0.003-6000 μ L/s (depending on the syringe that is selected)
Compatible Syringes	250, 500 μ L, 1, 2.5, 5, 10, 25mL
Fluid Path	Borosilicate, PTFE, CTFE
Voltage	100-240VAC
Frequency	50/60Hz
Dimension[WxDxH]	190x180x350mm
Weight	4.5kg
Permissible relative temperature	5-40°C
Permissible relative humidity	80%RH

Accessories

Cat. No.	Description
17900094	Syringe, 250 μ L
17900095	Syringe, 500 μ L
17900096	Syringe, 1mL
17900097	Syringe, 2.5mL
17900098	Syringe, 5mL
17900099	Syringe, 10mL
17900100	Syringe, 25mL

