SCILOGEX

LIQUID HANDLING

LIQUID HANDLING

GPE SCIENTIFIC LIMITED

Company Profile

GPE Scientific Ltd was established in 1962 and is a leading distributor and manufacturer of laboratory equipment, glass blowing products and specialised glass components for the industrial, laboratory and research markets. We pride ourselves in stocking thousands of products from leading suppliers providing you with the best selection of laboratory equipment on the market.

We are the exclusive UK and Ireland distributor for the Scilogex range of Benchtop Equipment. Scilogex is a brand of innovative and unique laboratory products for all areas of chemistry research. Our goal is to provide you with great products at highly competitive prices.

Liquid Handling

Scilogex's dPette Electronic Pipette enables fast and precise pipetting. dPettes are available in single-channel models.

Why use an Electronic Pipette?

- Accurate and precise
- Space-saving
- Easy to use
- Comfortable
- Ergonomic Design

Features:

- Easy programming
- Precise and reliable
- Efficient lithium-ion battery lasts longer between charges
- 3 speeds available
- Two methods of charging: through the stand or direct
- Autoclavable

Stands:

iPette electronic pipettes can be charged with a 1-place charging stand, a 5-place charging stand or directly through the charging cable.

Specifications:

Channels	Volume Range uL	Cat No	Increment uL	Test Volume	Accuracy		Precision	
				uL	uL	%	s.d.*uL	CV%*
1	0.5 - 10 uL	71500031	0.01 uL	10 1	±0.10 ±0.035	±1.0 ±3.5	0.05 0.03	0.5 3.0
1	5 - 50 uL	71500131	0.1 uL	50 5	±0.40 ±0.15	±0.8 ±3.0	0.15 0.125	0.3 2.5
1	30 - 300 uL	71500231	1 uL	300 30	±1.8 ±0.9	±0.6 ±3.0	0.6 0.21	0.2 0.7
1	100 - 1000 uL	71500331	5 uL	1000 100	±6.0 ±3.0	±0.6 ±3.0	2.0 0.6	0.2 0.6

* s.d. = Standard Deviation
*CV = Coefficient of Variation

MicroPette plus Features:

- Fully autoclavable
- Ergonomic design
- Clear and easy-to-read display with large numbers and small increments
- Volume range of 0.1 µL to 10 mL
- Easy to calibrate
- Manufactured from innovative materials
- Calibrated in accordance with ISO8655
- Each pipette is supplied with an individual test certificate

For catalogue numbers and volume ranges please go to page 13

Turn plunger button for volume selection

Comfortable finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone provides excellent chemical resistance

MicroPette multi-channel plus Features:

- 8 and 12 channel pipettes are available for standard 96-well plates
- Convenient dispensing head rotation
- Individual piston and tip cone is easy to repair
- Low maintenance
- Tip cone design allows visual seal verification
- Can be used with universal style pipette tips

For catalogue numbers and volume ranges please go to page 14

12 channels

8 channels

Fully autoclavable:

The MicroPette Plus pipettes can be fully autoclaved and withstand steam sterilization at 121°C for 20 minutes.

The pipettes can be autoclaved without special preparation. After autoclaving the pipette must be cooled down and left to dry for 12 hours.

It is recommended to check the performance of the pipette after each autoclaving. It is also recommended to grease the piston and seal after every 10 autoclave cycles.

Simply turn the plunger button for volume selection

Comfortable finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone provides excellent chemical resistance

MicroPette Features:

Ergonomic design
Clear and easy-to-read display
Volume range of Ø.1 µL to 10 mL
Easy to calibrate and maintain (with tool supplied)
Manufactured from innovative materials
Calibrated in accordance with ISO8655
Each pipette supplied with individual test certificate
Lower section can be autoclaved

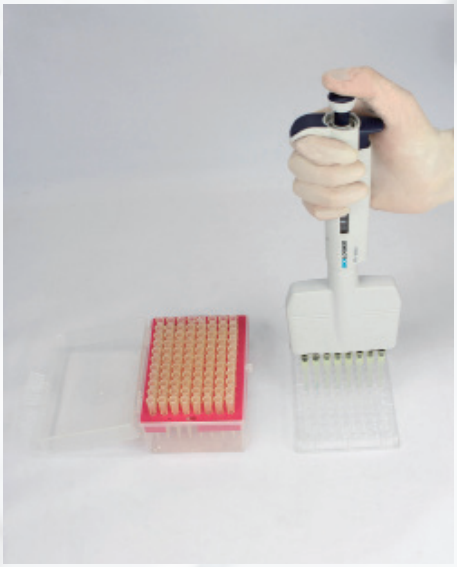
For catalogue numbers and volume ranges please go to page 13

MicroPette multi-channel Features:

8 and 12 channel pipettes are available for standard 96-well plate
Dispensing head rotates for convenience
Individual piston and tip cone is easy to repair
Low Maintenance
Tip cone design allows excellent seal verification
Can be used with universal pipette tips

12 channels

8 channels



For catalogue numbers and volume ranges please go to page 14

Calibration:

All Scilogex pipettes have been quality tested according to ISO8655-2:2002 and are supplied with individual calibration certificates. Gravimetric testing is included for each pipette.

Cat No:
71000084

TopPette Features:

- Light weight, ergonomic, low force design
- Digital display clearly reads volume settings
- Volume range of 0.1 µL to 10 mL
- Easy to calibrate and maintain with tool supplied
- Design helps avoid repetitive strain injuries
- Calibrated in accordance with ISO8655
- Each pipette supplied with individual test certificate
- Lower section can be autoclaved

For catalogue numbers and volume ranges please go to page 13

Simply turn the plunger button for volume selection

Comfortable finger support

Tip ejector allows convenient one-handed operation

Ejector collar and tip cone can be removed

Durable tip cone provides excellent chemical resistance

Cat No:
71000085

12 channels

8 channels

TopPette multi-channel Features:

8 and 12 channel pipettes are available for standard 96-well plates
Dispensing head rotates for convenience
Individual piston and tip cone assemblies allow easy repair and maintenance
Tip cone design allows visual seal verification
Can be used with universal pipette tips

For catalogue numbers and volume ranges please go to page 14

Pipette with switch:

Scilogex pipettes can be stopped with an on/off switch and cable. This can be used with coagulation analyzers or any other instrument that requires precise timing

Pipette Stands

The linear and carousel stands have been perfectly designed to fit the Scilogex Pipette range; including the TopPette, MicroPette and MicroPette Plus Autoclavable Pipettes. The stands are a convenient way to hold up to 6 pipettes (both single and multi-channel)

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

Cat No:
71000085

The carousel stand has smooth rotations and can comfortably hold up to 6 pipettes

Cat No:
71000084

Specifications:

TopPette/ MicroPette / MicroPette Plus Mechanical Pipettes (Adjustable and Fixed Volume)

Single-channel Adjustable Volume Pipettes							
Catalogue Number	Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
				%	µL	%	µL
71311101	0.1 - 2.5µL	0.05 µL	2.5 µL	2.50%	0.0625	2.00%	0.05
			1.25 µL	3.00%	0.0375	3.00%	0.0375
			0.25 µL	12.00%	0.03	6.00%	0.015
71311104	0.5 - 10µL	0.1 µL	10 µL	1.00%	0.1	0.80%	0.08
			5 µL	1.50%	0.075	1.50%	0.075
			1 µL	2.50%	0.025	1.50%	0.015
71311105	2 - 20µL	0.5 µL	20 µL	0.90%	0.18	0.40%	0.08
			10 µL	1.20%	0.12	1.00%	0.1
			2 µL	3.00%	0.06	2.00%	0.04
71311106	5 - 50µL	0.5 µL	50 µL	0.60%	0.3	0.30%	0.15
			25 µL	0.90%	0.225	0.60%	0.15
			5 µL	2.00%	0.1	2.00%	0.1
71311108	10 - 100µL	1 µL	100 µL	0.80%	0.8	0.15%	0.15
			50 µL	1.00%	0.5	0.40%	0.2
			10 µL	3.00%	0.3	1.50%	0.15
71311109	20 - 200µL	1 µL	200 µL	0.60%	1.2	0.15%	0.3
			100 µL	0.80%	0.8	0.30%	0.3
			20 µL	3.00%	0.6	1.00%	0.2
71311114	100 - 1000µL	5 µL	1000 µL	0.60%	6	0.20%	2
			500 µL	0.70%	3.5	0.25%	1.25
			100 µL	2.00%	2	0.70%	0.7
71311117	1-5mL	50 µL	5000 µL	0.50%	25	0.15%	7.5
			2500 µL	0.60%	15	0.30%	7.5
			1000 µL	0.70%	7	0.30%	3
71311133	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

Cat Number	Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
				%	µL	%	µL
71311204	0.5 - 10 µL	0.1 µL	10 µL	1.50%	0.15	1.50%	0.15
			5 µL	2.50%	0.125	2.50%	0.125
			1 µL	4.00%	0.04	4.00%	0.04
71311206	5 - 50 µL	0.5 µL	50 µL	1.00%	0.5	0.50%	0.25
			25 µL	1.50%	0.375	1.00%	0.25
			5 µL	3.00%	0.15	2.00%	0.1
71311212	50 - 300 µL	5 µL	300 µL	0.70%	2.1	0.25%	0.75
			150 µL	1.00%	1.5	0.50%	0.75
			50 µL	1.50%	0.75	0.80%	0.4

12-channel Adjustable Volume Pipettes

Cat Number	Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
				%	µL	%	µL
71311304	0.5 - 10 µL	0.1 µL	10 µL	1.50%	0.15	1.50%	0.15
			5 µL	2.50%	0.125	2.50%	0.125
			1 µL	4.00%	0.04	4.00%	0.04
71311306	5 - 50 µL	0.5 µL	50 µL	1.00%	0.5	0.50%	0.25
			25 µL	1.50%	0.375	1.00%	0.25
			5 µL	3.00%	0.15	2.00%	0.1
71311312	50 - 300 µL	5 µL	300 µL	0.70%	2.1	0.25%	0.75
			150 µL	1.00%	1.5	0.50%	0.75
			50 µL	1.50%	0.75	0.80%	0.4

Fixed Volume Pipettes

Cat Number	Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
				%	µL	%	µL
71312118	5 µL	-	5 µL	1.3%	0.065	1.2%	0.06
71312119	10 µL	-	10 µL	0.8%	0.08	0.8%	0.08
71312120	20 µL	-	20 µL	0.6%	0.12	0.5%	0.1
71312121	25 µL	-	25 µL	0.5%	0.125	0.3%	0.075
71312122	50 µL	-	50 µL	0.5%	0.25	0.3%	0.15
71312123	100 µL	-	100 µL	0.5%	0.5	0.3%	0.3
71312124	200 µL	-	200 µL	0.4%	0.8	0.2%	0.4
71312125	250 µL	-	250 µL	0.4%	1.0	0.2%	0.5
71312126	500 µL	-	500 µL	0.3%	1.5	0.2%	1.0
71312127	1000 µL	-	1000 µL	0.3%	3.0	0.2%	2.0
71312128	2000 µL	-	2000 µL	0.3%	6.0	0.15%	3.0
71312129	5000 µL	-	5000 µL	0.3%	15	0.15%	7.5

SAFEVAC Vacuum Aspiration Systems

The SAFEVAC Vacuum Aspiration System is ideal for aspiration of liquid and their subsequent disposal. Widely used in the removal of media from cell cultures, drawing the supernatants after centrifugation or for wash solutions from immune-assay well-plates.

8-channel

Specifications:

Vacuum Range	0 to - 600 mbar (adjustable)
Pump Flow Rate (Rated Value)	15 L/min (air)
Aspiration Rate of Liquids	17 mL/s (aspiration pipette)
Dimensions (W× D× H) mm	180 x 240 x 450
Weight	3 kg
Input Voltage	100 - 240 VAC, 50/60 Hz
Bottle Volume	4L

Features:

Adjustable vacuum control
Easy to operate
Self-closing connectors for quick installation and prevention of drips
Safe operation with a level sensor (prevents liquid overflow)
Autoclavable waste collection bottle and nozzle
Accessories available

Cat No:
76100001

Levo Plus Pipette Filler

Features:

- Pipette controller for use with pipettes from 0.1 - 100 mL
- Eight speeds available
- Large LCD display provides remaining battery and speed settings information
- Convenient one-handed operation
- Lightweight, ergonomic design allow longer, fatigue-free pipetting
- Efficient lithium-ion battery
- Low battery alert
- Powerful motor fills a 25mL pipette in <5 seconds
- Supplied with replaceable 0.45µm filter
- Can be used whilst charging

Large LCD display

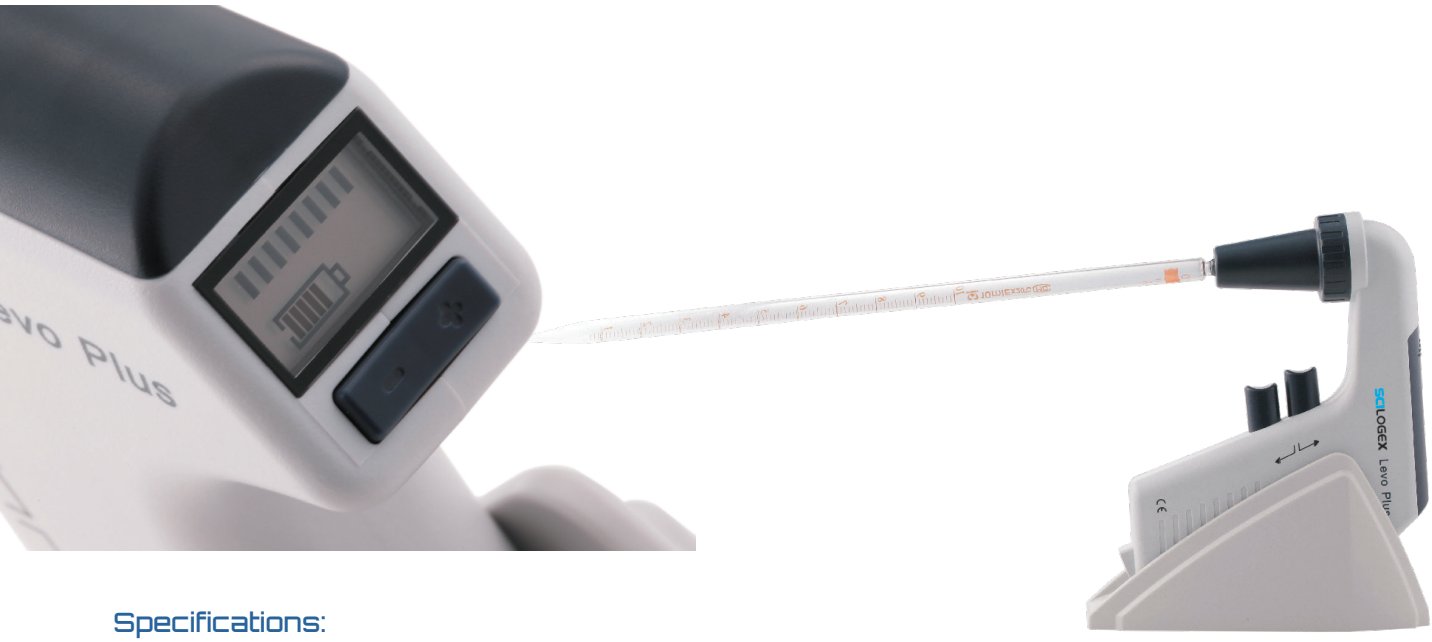
Select the desired speed by pressing the +/- button

Cat No:
74020005

Comfortable aspirate and dispense triggers control fine volume speed

Replaceable 0.45 µm integral filter and adapter

Silicone adapters suitable for 0.1 - 100 mL pipettes and fully autoclavable at 121°C



Specifications:

Aspirate Speeds	8
Dispense Speeds	8 Gravity Dispense
Battery	Lithium-Ion
Battery Service Life	8 Hours
Charging Time	2 ~ 3 Hours
Pipette Types	Glass or Plastic Pipette(Ø.1-100mL), Pasteur Pipettes
Filter	Ø.45 μm Hydrophobic

Two-position stand

The StepMate Stepper is ideal for routine or research applications in diagnostics, molecular biology, environmental analysis, and many other fields.

The StepMate Stepper works on the positive displacement principle; which offers the highest precision of liquid media dispensing with high viscosity, high density, or high vapour pressure. It can also provide up to 48 dispensing steps.

Cat No:
72010000

Features:

- Lightweight and ergonomic
- One-hand operation
- Factory calibrated
- Volume range from 1 µL to 5 mL
- Up to 48 dispensing steps
- Maintenance free
- Equipped with durable tip insertion lever
- Works with seven sizes of disposable, polypropylene syringes from 0.5 mL to 50 mL

Volume selection:

1. Find the required dispensing volume

2. Use the adjusting wheel to set the required volume

3. Select and insert suitable tips

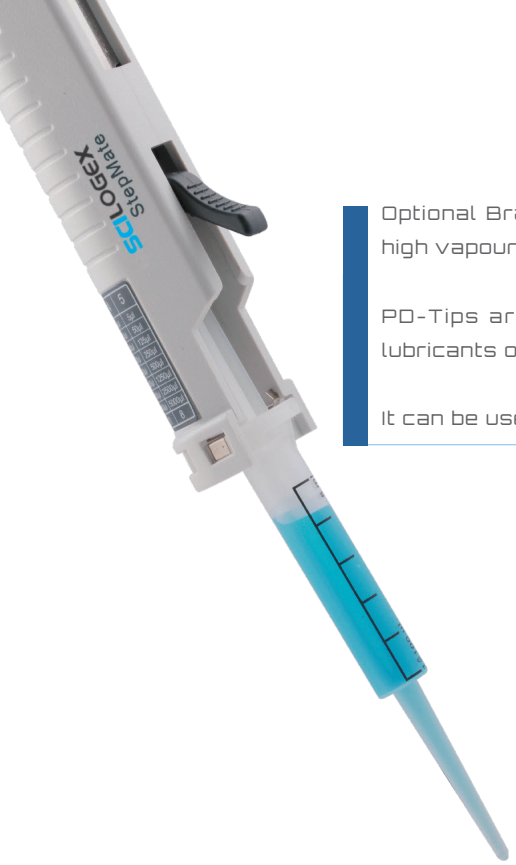
4. Confirm the maximum dispensing steps

Optimized for smooth dispensing of even the smallest volumes

Five easy-to-select control dispensing volume settings

By pushing the slide upwards, the syringe fills up

Stop lever secures the syringe



Optional Brand-Po-tips are particularly suitable for dispensing fluids with high viscosity and high vapour pressure.

PD-Tips are made from high-quality materials (Cylinder: PP, Piston: PE-HD) without soft lubricants or other additives.

It can be used with compatible, third-party dispensing systems of BRAND, Rainin and Eppendorf.

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	-	-

Syringe volume (mL)	Sample volume (µL)					A %	P %
0.50	10	20	30	40	50	± 0.8	≤ 0.7
1.25	25	50	75	100	125	± 0.8	≤ 0.5
2.50	50	100	150	200	250	± 0.8	≤ 0.4
5.00	100	200	300	400	500	± 0.4	≤ 0.3
12.50	250	500	750	1000	1250	± 0.3	≤ 0.3
25.00	500	1000	1500	2000	2500	± 0.2	≤ 0.3
50.00	1000	2000	3000	4000	5000	± 0.2	≤ 0.2

Pipette Controllers & Pumps

Levo Pipette Controllers

Features:

- Five colours available
- Comfortable and simple to use
- Precise pipetting control
- Robust and lightweight
- Ø.1 -1 ØØ mL volumetric or serological pipettes can be used
- Filling and delivery easily controlled with a small sensitive lever
- Uses integral and replaceable 3µm filter
- Easy to maintain and clean
- Autoclavable silicone pipette holder

Compress the suction bellows before attaching pipette

Button is used to expel residual liquid when using blow-out pipets

Filling and delivery are easily controlled with the small sensitive lever

Specifications:

Cat No:	Colour
74010001	Blue
74010002	Red
74010003	Green
74010004	Yellow
74010005	Pink

Replaceable 3.Øµm filter and adapter

Silicone adapter suitable for Ø.1 - 1ØØ mL pipettes

Cat No:
17ØØØ11Ø

Pipette Pumps

Features:

- Volume capacity 2 mL, 1Ø mL and 25 mL
- Colour coded by volume (green, blue and red)
- Precise thumbwheel operation
- Resistant to acids, alkalis
- Easily dissembled for cleaning

Specifications:

Cat No:	Colour
74030001	Blue (2ml)
74030002	Green (10ml)
74030003	Red (25 ml)

Pipette Pumps are designed for one handed use and has an optimally located thumbwheel. The side lever rapidly dispenses all content.

DispensMate Bottle-Top Dispensers

Specifications:

Cat Number	Volume Range mL	Graduation mL	A ≤±		CV≤	
			%	µL	%	µL
73110001	0.5 - 5	0.1	0.5	25	0.1	5
73110002	1 - 10	0.2	0.5	50	0.1	10
73110003	2.5 - 25	0.5	0.5	125	0.1	25
73110004	5 - 50	1.0	0.5	250	0.1	50

Accessories:

Catalogue No	Item
17000069	S40, Adapter, 45/40 mm
17400017	GL32, Adapter, 45/32 mm
17400018	GL38, Adapter, 45/38 mm
17400019	GL25, Adapter, 32/25 mm
17400020	GL28, Adapter, 32/28 mm
17400037	Reagent Bottle (Brown, 1L, Options)
17400021	Spare PTFE inlet tubing

Features:

Excellent chemical resistance
Fully autoclavable at 121°C
Four ranges of bottle-top dispenser cover a volume range from 0.5 mL to 50 mL
Easy to clean and maintain
The optional flexible discharge tube with safety handle permits fast and precise dispensing
Made of PTFE, FEP, BSG, PP
Vapour pressure Max. 500mbar
Viscosity max. 500mm^2/s
Temperature max. 40°C
Density max. 2.2g/cm^3
DispensMate plus is supplied with S40, GL32, GL38, GL25, GL28 sized adapters

GPE Scientific Ltd,
Greaves Way Industrial Estate,
Stanbridge Road,
Leighton Buzzard,
Bedfordshire,
LU7 4UB, ENGLAND.
Tel:+44(0)1525 382777
Fax:+44(0)1525 382263
Website: www.gpescientific.co.uk