

### Technical Specifications - Sciclone i1000

#### PRECISION

10  $\mu$ L - 50 $\mu$ L : CV < 8%  
51  $\mu$ L - 1000  $\mu$ L : CV < 5%

#### ACCURACY

10  $\mu$ L - 200 $\mu$ L : Delivered volume within 95% of requested volume  
201  $\mu$ L - 1000 $\mu$ L : Delivered volume within 98% of requested volume

#### COMPUTER COMPONENTS

The following computer components will be supplied from Caliper Life Sciences

- System PC, minimum Pentium IV, 1GHz Dell® Optiplex 400; 256MB RAM
- CD- ROM drive
- 17" flat screen monitor
- RS 232 multiplexer board
- Internal PC modem
- Operating system: Microsoft® Windows® XP

### Technical Specifications - Sciclone inL10

#### PRECISION

10 nL - 50 nL : CV  $\leq$  8%  
51 nL - 10  $\mu$ L : CV  $\leq$  5%

#### ACCURACY

20 nL - 200 nL : Delivered volume within 95% of requested volume  
201 nL - 10  $\mu$ L : Delivered volume within 98% of requested volume

#### COMPUTER COMPONENTS

The following computer components will be supplied from Caliper Life Sciences

- System PC, minimum Pentium IV, 1GHz Dell® Optiplex 400; 256MB RAM
- CD- ROM drive
- 17" flat screen monitor
- RS 232 multiplexer board
- Internal PC modem
- Operating system: Microsoft® Windows® XP



96 independent channel pipetting on the Sciclone i1000

To find out more about these products and discuss your liquid handling requirements contact us today:

#### Caliper Life Sciences

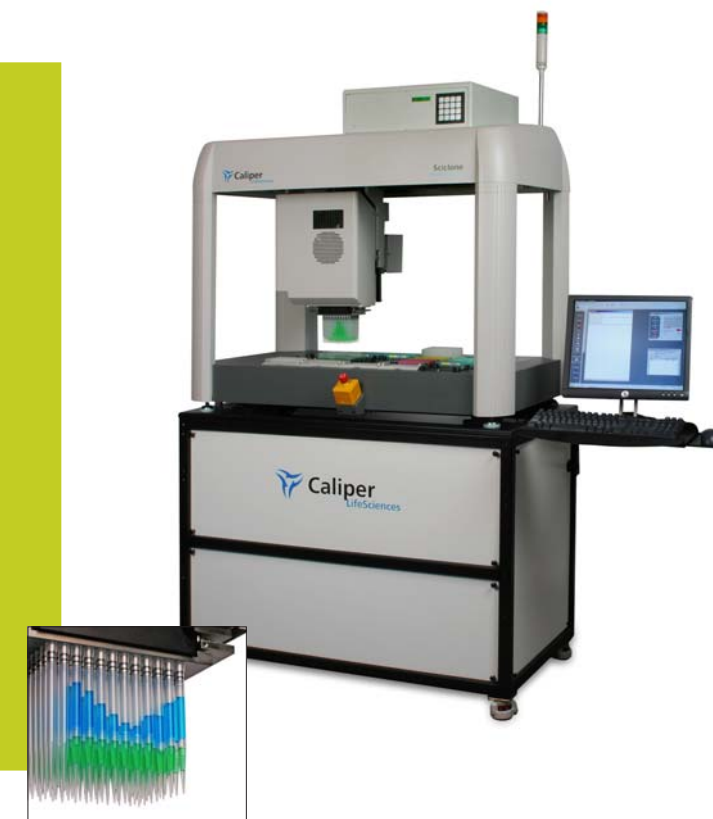
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# Intelligent Multichannel Pipetting Workstations



# Introducing a Unique Range of Non-Contact Liquid Handling Workstations

## Unique Technology

The Sciclone i1000 and Sciclone inL10 from Caliper Life Sciences represent a revolutionary breakthrough in liquid handling technology. Both instruments offer, for the first time, 100% real-time dispense verification and independent pipetting control over each channel in the 96 channel pipetting head. In addition, each channel has a built-in liquid level detection capability as well as a temperature sensor that enables it to automatically compensate for changes in viscosity. With this unprecedented capability, researchers can now generate more useful data than ever before.

### Applications for the Sciclone i1000 include:

- Solid Phase Extraction
- DNA and RNA Purification Extractions
- ADME Assays
- PCR Clean-Up
- Protein Purification

### Applications for the Sciclone inL10 include:

- One-Step Plate Normalisations
- IC50's
- Serial Dilutions
- Nano Compound Management
- MALDI Spotting

## Scalability

Scalability is a key benefit of the Sciclone i1000 and Sciclone inL10. Using Caliper Life Sciences integration expertise, both instruments can be readily integrated into a wide variety of robotic systems that enable full walk-away automation. Adding automatic plate feeding and removal, incubators, readers and other components into a fully automated system can be readily achieved using **NEW**, easy-to-use ILink-Pro software.



## The Sciclone i1000

The Sciclone i1000 liquid handling workstation provides intelligent and precise 96-channel pipetting of volumes between 10  $\mu$ L and 1000  $\mu$ L in a highly versatile and scalable format.



- 20 position workstation with 96 channel head and volume ranges from 10  $\mu$ L to 1000  $\mu$ L with disposable tips.
- Optional fully automated top-down positive pressure system pushes reagents through filter or binding plate avoiding blockages and flooding often associated with vacuum filtration.
- Actual dispensed volumes for all 96 channels are recorded providing an audit trail in compliant environments.
- Individually programmable channels dispense 96 varying volumes in a single move. Ideally suited to perform one-step concentration normalisations.
- Disposable tips and other labware can be brought to the deck with a Twister II for high number samples.
- Compatible with 96 minitube racks, deepwell plates and filter plates so flexible as a multi-functional assay workstation.
- Detection of liquid levels and clogging with executable options to change tips, shut down a channel or pause/activate alarm.

## The Sciclone inL10

The Sciclone inL10 is a non-contact nanolitre liquid handler. It has the ability to pipette across an extremely wide, dynamic range covering three orders of magnitude - from 10 nL to 10  $\mu$ L with accurate delivery to high density formats including 1536-well plates.



- 20 position workstation with non-contact dispense using microprocessor controlled technology.
- Addresses all plate formats via a 96 position head.
- Actual dispensed volumes for all 96 channels are recorded providing real-time verification of liquid transfers.
- Individually programmable channels dispense 96 variable volumes in a single move. This enables unique one-step serial dilutions, IC50's and plate normalisations.
- 10 - 10,000nL range covers four magnitudes of volume
- CV's typically 3% into dry wellplates.
- Options include Z8 pipettor, bulk dispense tool and gripper with grip confirmation for increased versatility and adaptability.

MALDI Spotting on the Sciclone inL10



## Adaptability

The Sciclone i1000 and Sciclone inL10 both have a 20 position deck and can be configured with many different options and accessories to enable full automation of protocols including:

- Sciclone Gripper
- Z8 Pipetting Module for single well access
- Bulk Dispense Modules
- Microplate Shaker
- On-line Fill Reservoir
- Temperature Controlled Locator
- Positive Pressure Filtration or Vacuum

As the need for throughput increases a Twister II or other similar automated plate handling devices can be added.

### Optional Accessories for the Sciclone Systems



Positive Pressure Filtration

Bulk Dispense Module



The Sciclone Gripper

Z8 - 8 channel pipetting module

