

Liquid Handling Workstation

LHW-M96-2004S

Description

It is a fully automated liquid handling workstation equipped with a 96-channel core module. It can be controlled through an external tablet computer to perform automated tasks such as pipetting, aspiration, and dispensing. The liquid handling modes include basic pipetting, serial dilution, gradient dilution, and more.

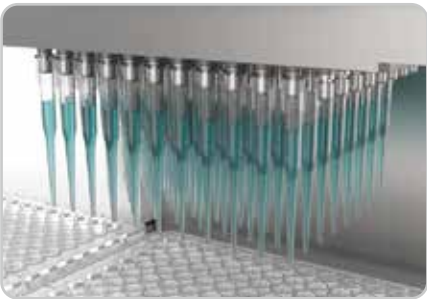


Features

96-channel liquid handling module

The pipetting module operates on the principle of air displacement and has been extensively tested for reliable sealing and durability. It ensures a perfect seal for each pipetting channel, eliminating the need for additional assistance when loading or ejecting entire boxes of pipette tips.

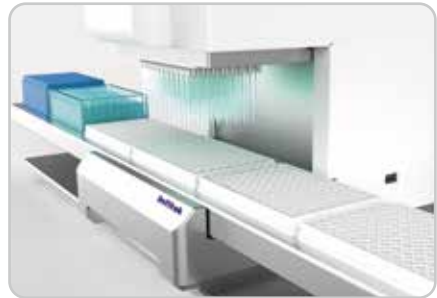
With the capability to simultaneously pipette in all 96 channels it allows for rapid aspiration and dispensing of liquids in a 96-well plate, significantly outperforming manual 8-channel pipettes with a speed increase of over 12 times.



High-level automation

You can effortlessly send the pre-configured experimental workflow to the workstation with a single click.

The pipetting module and plate deck will move automatically, achieving a high level of automation for a "hands-free" fully automated liquid handling process.



Intuitive experimental workflow editing

It offers an unlimited number of experiment lists and various preset pipetting modes.

To adjust the positions for aspiration and dispensing as desired.



Consumables

The tips have undergone rigorous compatibility testing, ensuring excellent sealing and high pipetting accuracy.

Safe to use, compact in size

All electronic components are integrated inside the machine, converting 220V AC power to a safe 24V voltage to ensure the safety of the device.

It has a compact size that can fit into standard-sized laminar flow hoods, safety cabinets, and fume hoods.



Specification

Model	LHW-M96-2004S
Pipetting Volume	5-200μL
Dispensing Precision	200μL ± 1.0%
	100μL ± 1.0%
	20μL ± 2.0%
	5μL ± 5.0%
Dispensing Accuracy	CV ≤ 2.0%
Resolution	0.1μL
Format	SBS plates, 96-well or 384-well
Number of Plate Position	4
Technical Principle	Air displacement
Dimensions(L*W*H)	885*285*445mm
N.W./G.W.	28kg/42.3kg
Package Dimension(L*W*H)	710*380*610mm