

LHA-3001 & 3008 Liquid Dispensing Workstations



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

The automatic micro liquid dispenser is a high-precision and high-efficiency automated liquid handling device, specially designed for the micro liquid dispensing requirements in laboratories. Adopting an advanced fluid control system and intelligent algorithms, it can realize the precise distribution of liquids from the micro level (μL level) to the milliliter level. It is suitable for life sciences, drug research and development, clinical diagnosis and other fields. The device features multi-channel parallel processing, programmed operation and low-residue design, which significantly improves the repeatability of experiments and work efficiency.

Features:

1. The automatic micro liquid dispenser adopts a precision peristaltic pump for non-contact liquid dispensing, with a compact and exquisite overall structure;
2. High liquid dispensing precision, the error of $100\mu\text{L}$ in 96-well plate can be controlled within 1.5%, the minimum liquid dispensing volume is as low as $5\mu\text{L}$, and the liquid adding time for $100\mu\text{L}$ in 96-well plate is 12 seconds;
3. Two adjustable gears (high and low) for liquid dispensing intensity are available to meet different experimental requirements;
4. Equipped with a 7-inch color LCD touch screen, it is easy to operate, and the liquid dispensing mode can be selected as the whole plate or any column;
5. Removable waste liquid tank for convenient waste liquid discharge, which can be connected to pipelines to automatically recover waste liquid into the waste liquid bottle.

Application Scope:

1. Molecular biology: PCR system construction, cDNA library dispensing, nucleic acid extraction reagent distribution
2. Cell culture: Medium supplementation, cell suspension dispensing, microplate inoculation
3. Drug screening: High-throughput compound distribution, reagent addition for 96/384-well plates
4. Clinical testing: Serum/plasma dispensing, ELISA experiment sample processing
5. Industrial quality inspection: Standard solution preparation, precise feeding of micro additives

Executive

- Calibration Specification for Automatic Pipetting Workstations.
- Calibration Specification for Medical Syringe Pumps and Infusion Pumps

Technical Parameters:

Technical Parameter	LHA-3001	LHA-3008
Number of Channels	1	8
Peristaltic Pump Head Model	-	DGB-8
Default Peristaltic Tube	Outer diameter 4mm * Inner diameter 0.8mm	Outer diameter 3mm * Inner diameter 1mm
Minimum Liquid Adding Volume	20ul	
Liquid Dispensing Precision	≤5ul@50ul; ≤2%@>200ul	≤10ul@50ul; ≤5%@>200ul
Pump Head Rotation Speed	600rpm	
Linear Speed	50mm/s	
Noise	<60dB	
Rated Voltage	DC24V	
Power	100w	
Dimensions (mm) (LWH)	L*W*H : 355*280*550	



HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



LCMS



Automated Prep-Flash Chromatography system



Maldi TOF



Optima Gas Chromatograph



Flash Chromatograph



DAC Column



GCMS 3068



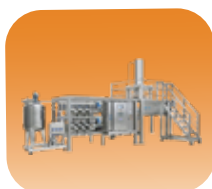
UHPLC



HPTLC



Ion Chromatograph



Production HPLC



HPLC



Column



DLS



Water purification system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

ANALYTICAL FOUNDATION is a Nonprofit Organization (NGO) for the purpose of:



Analytical Foundation

1. Research & Innovation **Scientist's awards & International Conference visit sponsorship / QC Professional Awards:** Quality life is possible by innovation only and the innovation is possible by research only, hence **ANALYTICAL FOUNDATION** is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research /testing/ publication at info@analyticalfoundation.org

2. Improving quality of life by offering **YOGA Training courses, Work shops / Seminars** etc.

3. **ANALYTICAL FOUNDATION** aims to DETOXIFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Naturecure, Health Care, Ara, Events, Camps etc.

▶▶ A portion of profit of **ANALYTICAL GROUP** Company's goes into **ANALYTICAL FOUNDATION** for the aboce noble cause.

▶▶▶ Reach us @



Subsidiaries



Note : Company reserves rights to add/delete/modify the contents / technical specifications of the catalogue without prior notice

HPLC Solutions	MultipleLabs	Infinite Multiplelabs LLP	Analytical Bio-Med	Analytical Foundation (Trust)
----------------	--------------	---------------------------	--------------------	-------------------------------

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E :- info@analyticalgroup.net
info@hplctechnologies.com
info@multiplelabs.com

W:- www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

Sales & Support Offices:
across the country :
Distributors & Channel
partners World Wide
USA| UK| Australia| Dubai| Malaysia