

# LD- 3000

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## Liquid Density Meter



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

**Analytical Technologies Limited**

An ISO 9001 Certified Company

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## Features:

- (1) Density value can be showed by one procedure; repeatedly continuous rapid measurement can be worked.
- (2) Digital display; High accuracy of measurement; Simple operation; Stable and Durable.
- (3) Density value of samples with the temperature from normal to 100 centigrade can be measured.
- (4) Take samples conveniently; 50CC or less would be okay.
- (5) There is no cumbersome debugging and operation compared with traditional wechsler balance method and pycnometer method.
- (6) It is very easy to clean measurement cup; can't get the limitation of the size of pycnometer caliber.
- (7) Coordinate with the operation of thermostatic tank to measure the proportion with the required temperature.
- (8) Adopt the completed special windproof and dustproof cover, which makes the structure convenient and durable.
- (9) Volatile liquid, corrosivity liquid, vicinity liquid, strong acid and strong lye liquid can be measured quickly.
- (10) Interface of RS-232C is included. the printer of DE-40 will be available to connect PC and the instrument.

Economic Liquid Density Meter 3000

Direct reading data, Shorter measuring time, Density resolution 0.001 g/cm<sup>3</sup>

## Application:

- Chemical solution, modern energy, oil fuel, fine chemical engineering, chemical reagent, chemistry researching laboratory.
- Combine Archimedes principle with modern electronics technique of 3000
- Digital display liquid densimeter; The data can be read directly with high measuring accuracy; The operation is more easy and get way from the influence of external factor and temperature compared with traditional wechsler balance method and pycnometer method; It can be applied to the field of quality management, cost control, formula researching and so on. Also, the solvent, adhesive, paint, pitch, resin, chemical oils, edible oil, food additives, drink, dairy products can be measured.

## Measurement procedure:

- (1) Place beaker with sample on testing board. and take off weight of pothook.
- (2) Hang standard weight on the pothook and submerged into liquid to be tested totally; press ENTER key to memory. Density value will be displayed.

### Standard accessories:

Host, measurement frame, standard liquid measurement assembly, tweezer, thermometer, 100G weight, windproof and dustproof cover, measurement support, power transformer

DE-20A standard liquid measurement assembly:

Two stainless steel pothooks, one normal glass weight, one normal stainless steel weight, two beakers.

Optional accessories:

DE-40 printer, DE-20B anti corrosive liquid measurement assembly.

### Specification:

Density resolution: 0.001 g/cm<sup>3</sup>

Maximum weight: 300g

Minimum weight: 0.005g

Measuring range: 0.001-99.999g/cm<sup>3</sup>

Name/model	3000 Electronical Liquid Densimeter
Density resolution	0.001 g/cm <sup>3</sup>
Density range	0.001—99.999g/cm <sup>3</sup>
Measurement type	a:mobility liquid, viscous liquid, volatile liquid, corrosivity liquid, high temperature liquid, suspension liquid, emulsion and so on b:alcohol, scaling powder, essence, blood, sodium chloride, glycerol, electrolyte, diesel, refrigerating, hydrofluoric acid, dichloromethane, vitriol
Measurement Principle	Archimedes principle displacement method
Measurement mode	1 group
Measurement time	About 5 seconds
Memory mode	memory in shorter time by one procedure
Result display	Density value
Specific Gravity	Stainless steel specific gravity measurement frame
Measurement frame	Temperature setting, solution density setting, measurement weights setting of
Function of setting	weight in the normal liquid and water
Calibration mode	auto correction with one button, auto detection.
Measurement testing	distilled testing
Output mode	standard interface of RS-232, output and print testing data conveniently
Standard accessories	Host, measurement frame, DE-20A standard liquid measurement assembly, tweezer, thermometer, 100G weight, wind and dust cover, measurement support, power transformers DE-20A standard liquid measurement assembly:
	Two stainless steel pothooks, one normal glass weight, one normal stainless steel weight, two beakers.
Optional accessories	DE-40 printer, DE-20B anti corrosive liquid measurement assembly
power	AC~220V / 50HZ
Main feature	data display, accuracy, rapid, convenience durable, economy

## 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.



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## Our Products & Technologies



LCMS



Automated Prep-Flash  
Chromatography system



Maldi TOF



Optima Gas  
Chromatograph



Flash  
Chromatograph



DAC  
Column



GCMS  
3068



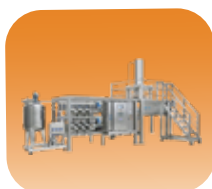
UHPLC



HPTLC



Ion Chromatograph



Production  
HPLC



HPLC



Column



DLS



Water purification  
system

▶▶▶ Regulatory compliances



▶▶▶ Corporate Social Responsibility

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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.

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