

# LM 1016-400

Fully Automatic Clinical Biochemistry Analyzer

THROUGHPUT UP TO  
480 TEST /HOUR



- Fully Automated Clinical BioChemistry Analyzer.
- Floor model, Compact design, Quick Analysis  
Throughput up to 480 test /hour.

Easy to Operate, Smart System

- 3 Independent Probes: 1 for Sample & 2 for Reagents.
- 2 Independent Mixers to avoid carry over & cross contamination.



LM 1016-400 is Fully Automated Clinical BioChemistry Analyzer with 480 test / hour throughput, high performance suitable for mid-size & high workload laboratories.

### Sample/Reagent Tray

- 80 Reagent Positions (R1 & R2)
- 100 sample positions (sample/QC/STAT)
- Sample position capable of loading sample cups & primary tubes
- Onboard Refrigeration facility (2-8)°C for Reagents

### Sample/Reagent Probe

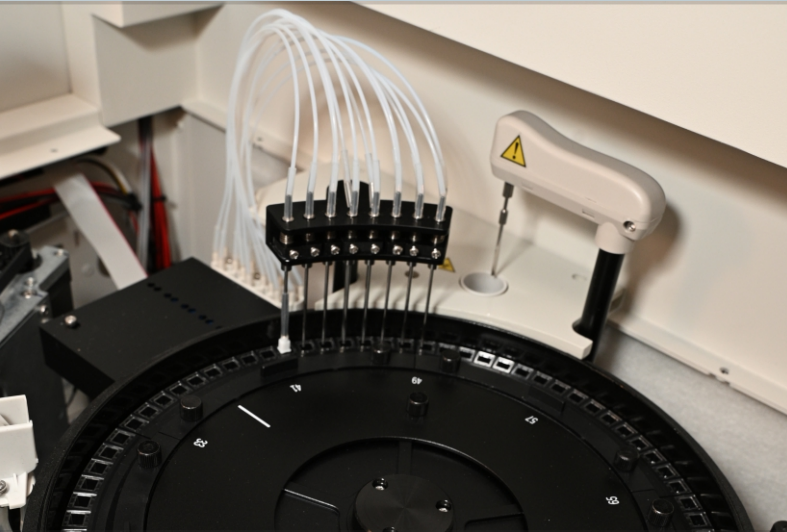
- 3 Independent probes: 2 Reagent Probe, (R1 & R2 Separate Probe), 1 Sample Probe.
- Liquid level detection
- Vertical probe anti-collision prevention



### Mixer Assembly

- Teflon coated Mixers
- 2 Independent Mixers for high accuracy & precision



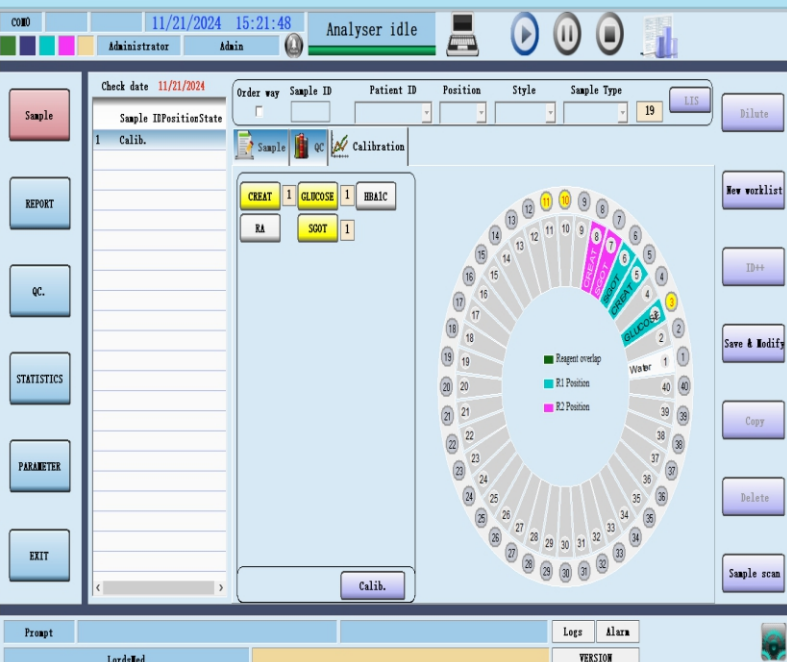
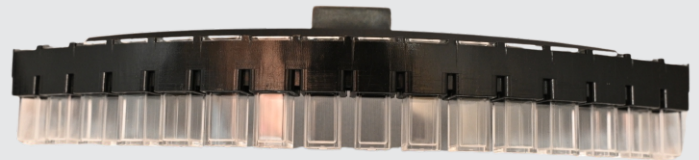
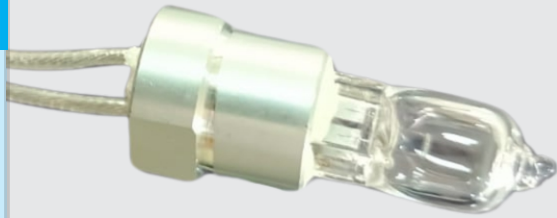


## Laundry System

- Adopt 8 stage 16 brittle technology
- Deep needle outer wall nano light treatment, inner wall with PTEE coating, three dimensional thick vortex cleaning.
- Automatic cuvette dry facility
- Water consumption - 8L/hr

## Detection & Optical System

- Optical sources- Halogen Tungsten Lamp
- 9 Wavelength (300-700nm ) + 1 extended
- 80 Reaction cuvettes
- Absorbance Range : 0.0001 to 4.0 Abs



## QC & Calibration

- Multi QC function
- LJ plots & Westgard rules available
- Optimum calibration curve
- Multi point - Linear, Non- linear Calibration Method

## Software System

- User convenient software
- Online monitoring of reagent volume
- Online reaction curve monitoring

## Technical Specification

<b>System</b>	– Random access, Discrete, Floor model	<b>Optical system</b>	– Array- type rear-optical and photo-electric detection system 9 wavelength (300-700nm) can extended + 1 Abs Range: 0.0001 to 4.0 Abs
<b>Principle</b>	– Photometry, Colorimetry	<b>Light source</b>	– 12v, 20w Halogen Tungsten lamp
<b>Analysis Method</b>	– End Point, Fixed-time/2 Point Kinetic, Kinetic Turbidimetry, Multi - STD	<b>QC/Calibration</b>	– Single Point, Two Point, Spline, Logit-log, 4P, 5P
<b>Throughput</b>	– 480 Test / Hour	<b>Operating System</b>	– Windows 7 & above
<b>Samples Dics</b>	– 100 samples positions ( Sample, QC, STAT) Sample volume - 2-50µl, 0.1µl Stepping Primary Tube or Serum Cup	<b>Power supply</b>	– 100-230V Ac± 50/60 HZ(Ac)
<b>Reagents</b>	– 80 reagent positions 24-hour refrigeration (2- 8 C) Reagent Volume : 10 - 300µl Single reagent and double reagent Internal Reagent Bar code Scanning	<b>Dimension</b>	– 980*820*1180mm (length*width*height)
<b>Probe system</b>	– 3 Independent Probes, 1 for Sample & 2 for Reagent Independent Mixers 2	<b>Weight</b>	– 168Kg
<b>Laundry system</b>	– Adopt 8-stage 16 brittle cleaning technology Water Consumption-8 L/hr		
<b>Detection system</b>	– 80 cuvettes		

- Wide range of Clinical Chemistry Reagent
- Good Onboard Stability of System pack
- Liquid Stable System pack.
- Packsize option suitable to meet customer needs

