

**NOW with
Integrated
Innovative Smart Key**



Test **HbA1c, CRP, RF, ASO**
in cost effective way

smaraTM

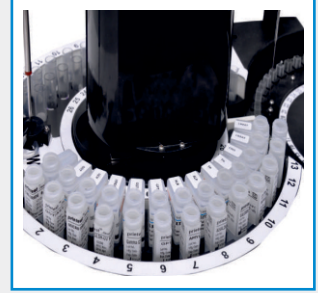
Fully Automatic Random Access
Biochemistry Analyser



Simplicity In Automation

Reagent Tray

- 26 Open positions
- 13 Positions for 10 ml bottles
- 13 Positions for 30 ml bottles
- Reagent tray cooled to 10°C to 15°C below the ambient temperature



Reagent Probe

- Reagent probe volume 50 to 500 μ l
- Preheated probe with liquid level detection
- Probe cleaning : both internal and external



Sample Tray

- 26 Open positions for sample/standard/calibrator/control
- Can adapt primary tubes and pediatric sample cups
- **STAT** sample priority



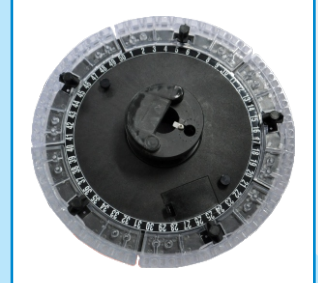
Sample Probe

- Sample probe volume 2.5 to 30 μ l
- Probe with liquid level detection
- Probe cleaning : both internal and external



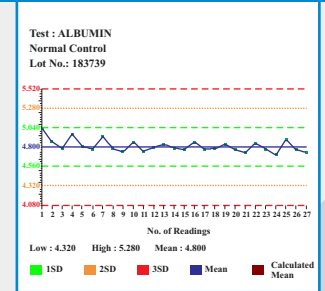
Reaction Tray

- 50 disposable cuvettes
- Reaction volume : 200 μ l / test
- Reaction temperature controlled at 37°C \pm 0.5°C



Quality Control

- Levy Jenning (L-J) Graph
- Westgard Rules
- Pediatric Cup for Q. C.



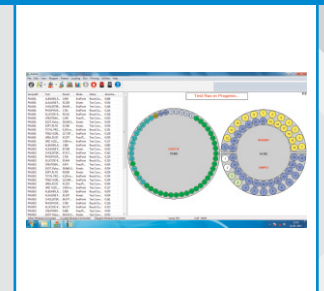
Cuvettes

- Disposable cuvettes
- Optically matched cuvettes
- Ten cuvettes in each sector
- Easy loading cuvettes



Software Features

- Windows based user friendly operation
- Online status of reagent, sample, and reaction system
- Real time monitoring of reaction curves
- Real time diagnosis of system status



Turbidimetric Reagents With Smart Calibration Key



Test **HbA1c**, **CRP**, **RF** and **ASO** in a Cost Effective Way

- No calibration required
- Saves time & money and avoids errors of calibration
- Great accuracy & precision

Reagent Features :

- Ready to use liquid stable reagents with long shelf life
- Fine micro size latex particles that do not settle down
- Reliable results correlating with gold standard methods
- Two reagent system
- Micro volume reduces cost per test
- Convenient pack size

Features

- Discrete, Random Access, Fully Automated, Compact, Bench Top Model
- 100 Tests/Hour Throughput
- Dual Probe, Individual Probes for Sample and Reagent
- Automatic Probe Cleaning and Liquid Level Sensing
- Cooled Reagent Compartment
- Q.C. with L.J. Plot and Westgard Rules
- **STAT** Sample Capability
- Disposable Cuvettes
- Built in Computer
- Non Vacuumised Waste/Wash Bottles



Technical Specifications

System Information

Type of Tests : Routine & Special Biochemistry Enzymes, Substrates, Drug Assays, Serum Proteins

Analysis Mode : End Point, Fixed Time, Kinetic, Linear/Non-Linear Multipoint Calibration

Programming : Open System for User Defined Profiles and Calculations

Optical System

Absorbance Range : 0.000 to 3.000 Abs. Unit

Filters : Interference Filters 340, 405, 450, 510, 545, 578, 630, 700 nm + 2 Optional

Working Conditions

Power Supply : 115-230 volts, 50 - 60 Hz \pm 10 %

Power : 300 VA

Relative Humidity : up to 80%

Dimensions in mm (lxbxh) : 890 x 430 x 580 (Approx)

Weight : 43 kg. (Approx)

Due to continuous development, specifications are subject to change without prior notice.



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