

## Technical Specifications

### System General

System Type	: Discrete, automated, random access, patient prioritized clinical chemistry analyzer
Throughput	: 200 tests / hour photometric and 400 tests / hour with ISE* (*optional ISE with Na, K, Cl, Li)
Analytical Methods	: 1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry (optional)
Barcode Reader	: For reagents and samples (optional)
Reaction Tray	: 45 hard glass cuvettes
Reaction Mixing	: Stirrer with variable speed
Reading Volume	: 180 µl
On-board Laundry	: 6 stage cleaning, 2 stage drying
Photometer	: Static photometer
Optics	: 8 filters (340, 405, 505, 546, 578, 600, 660, 700 nm)
Absorbance Range	: 0.0 - 3.0
Light Source	: Tungsten Halogen Lamp
Detector	: Silicon photo-diode
Water Consumption	: <7 litres
Power Requirement	: AC 220 V ± 10 %, 50 Hz or AC 110 V ± 10 %, 60 Hz
Power Consumption	: 600 VA
Dimension	: Approx. 810 mm (W) x 800 mm (D) x 600 mm (H)
Weight	: Approx. 120 kgs.

### Sample Handling

Sample	: Serum, Plasma, Urine, CSF, others
Sample Unit	: 39 positions for samples / blank / controls / calibrators / STAT sample
Sample Pipetting	: 2 - 70 µl (adjustable in 0.1 µl step) for Biochemistry, 70 µl fixed for ISE Capacitance probe with liquid level sensing & vertical obstruction detection
Sample Tubes /Cups	: Primary tubes of 5 ml, 7 ml, 10 ml and sample cups

### Reagent Handling

Reagent Tray	: 50 cooled reagent positions
Reagent Pipetting	: R1 : 50 - 300 µl (adjustable in 1 µl step) R2 : 0 or 10 - 200 µl (adjustable in 1 µl step) Capacitance probes with level sensing & vertical obstruction detection

### User Interface

System Interface	: Analyzer-PC: RS- 232 C Serial Port; USB PC - Host Computer: TCP / IP & RS - 232 C PC - Printer: USB (2 ports)
Operating System	: Windows Based
Programmable Parameters	: Default system pack parameters + upto 10 user defined parameters
Quality Control	: QC Plot data with QC rules. Provision for lab mean
Calibration	: One point to multipoint calibration possible. K-Factor, Linear (1, 2 point & multipoint), 4P and 5P Logit-log, cubic spline, exponential, polynomial, on-board serial dilution
Database	: Unlimited Results

Specifications are subjected to change without prior notice.

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**TRANSASIA**  
No.1 Diagnostic Company in India

# EM 200<sup>®</sup>

## Fully Automated Random Access Clinical Chemistry Analyzer



## THE FIRST CHOICE FOR A MID-SIZE LABORATORY



# MULTITUDE OF BENEFITS

With the introduction of EM 200, biochemistry automation is now within the reach of every clinical laboratory. Its rugged hardware & array of features make it an ideal choice for start-up, mid-sized and advanced labs. The system is convenient and user-friendly.

## Extensive Test Menu

- All routine Clinical Chemistry profiles such as LFT, KFT, Lipids, Diabetic, etc.
- Specialized chemistries such as HbA1c, ADA, Apo(A), Apo(B), Lp(a), etc.
- Immunospectrometric Assays such as ASO, RF, CRP, etc.



Bench Top Model



## Accurate Results

Unique Static Photometry technology prevents interference from lights of other wavelengths or signals. This ensures steady reading and accurate results.



## Environment Friendly

EM 200 uses permanent hard glass cuvettes that reduce plastic usage and save cost.



## Cost saving

Uses minimal reagents with a reading volume of 180 µl.



## Consistent Performance

8 stage on-board laundry to eliminate contamination and ensure accurate results.



## Quality and Service

An uptime of 97% and fast Turnaround Time (TAT) for improved workflow. Efficient round the clock after-sales support.

## Offering Total Solutions

### Reagents

Flexibility to choose the right pack size for variable work loads:

- Erba XL system packs
- Small system packs
- ITA system packs



### Calibrators

- XL Multical
- ADA Cal
- HbA1c Cal

### Software

- Multi XL

### Controls

- Erba Norm / Path
- HbA1c Con L / H
- ASO/CRP/RF Con L / H
- Multicon L1 / L2
- Microalbumin Con
- ADA Con
- EMQAS (External control program)
  - Basic / Advanced / Plus (6 & 12 months)

