

# EM 100<sup>®</sup>

## Solution To Bridge The Gap



### Features

- Compact bench top open model
- Wide test Menu
- Requires only 180 µl of Reagent
- Auto Dilution Auto Rerun
- Extensive Q.C Program Levy-Jenning curve and QC rules
- On board cooling
- Optional Bar Code Reader for sample and reagent Z
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# EM 100<sup>®</sup>

## Fully Automated Clinical Chemistry Analyzer



### Technical Specifications

|                         |  |
|-------------------------|--|
| System type             | Discrete, open, automated, random access, patient prioritized, 1 or 2 Reagent, Bench top system  |
| Throughput              | Photometric 100 tests/hour with ISE ( 250 tests for serum/urine )  |
| Assay modes             | 1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry   |
| Onboard tests           | 42 test items maximum + 4 ISE (optional Na <sup>+</sup> , K <sup>+</sup> , Ci, Li <sup>+</sup> )<br>25 positions fixed for Reagents<br>15 flexible (Reagent/Sample)<br>2 Rgt/Dil positions at Room Temperature |
| Programmable parameters | Unlimited test parameters<br>Unlimited calculation items<br>Unlimited Profiles   |
| Sample container        | Primary tube 7 ml (14.5 x 84 mm) or 5 ml (13 x 75 mm)<br>Cup: Standard cup 2 ml<br>Adaptors will be provided for all types.  |
| Sample volume           | 2-70 µl (adjustable in 0.1 µl step)  |
| Reaction volume         | 180 µl   |
| Reagent dispensing      | 10-300 µl ( Adjustable in 1 µl step)   |
| Photometric system      | Multi-wavelength static photometer   |
| Wavelengths             | 8 wavelengths ( 340, 405, 505, 546, 578, 600, 660 & 700 nm)  |
| Mixers                  | Mixing by Probe -3 Levels Slow/Medium/High   |
| Safety mechanism        | Vertical obstruction detection<br>Capacitance based liquid level sensing   |
| QC menu                 | Unlimited number of controls   |
| Sample placement        | Sample cum Reagent tray:<br>Max No of Samples: 25 Nos<br>Fixed Sample Position: 10 Nos<br>Flexible Sample/Reagent position 15 Nos.   |
| Water consumption       | Around 1.8 liters/hour   |
| STAT samples            | To be placed in any of the 25 positions on the outer rim   |
| Reaction unit           | Reaction tray : Semi Disposable PMMA Rotor<br>Number of reaction cuvettes : 120 with 5 mm path length  |
| Dimensions              | 675 (W) x 450 (D) x 300 (Working H) mm   |
| Weight                  | Approximately 65 kg  |
| Power supply            | AC 220 V.± 10%, 50/60 Hz or AC 110 V ± 10% 50/60 Hz.<br>(600 VA including PC & Printer)  |