

# TECHNICAL SPECIFICATIONS

|                         |                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------|
| Throughput              | Upto 200 Tests/hour                                                                                                 |
| Principle               | Photometry, Colorimetry                                                                                             |
| Analysis Method         | End points, Fix-time (Two Points), Kinetic, Colorimetry, Turbidimetry, Multi-Standard etc.                          |
| Sample Disc             | 40 Sample positions, including Standard, QC and STAT positions can be use original tube (Primary tube) or Serum Cup |
| Sample Volume           | 2 to 50 $\mu$ L (Increment step by 0.1 $\mu$ L)                                                                     |
| Reagent Disc            | 39 Reagent positions and 1 diluent position, 18ml reagent bottle with cooling system                                |
| Reagent Volume          | R1: 150 $\mu$ L-300 $\mu$ L, R2: 10 $\mu$ L-250 $\mu$ L                                                             |
| Refrigeration           | Yes, Cooling by Peltier & Liquid cooling system                                                                     |
| Reaction Cuvettes       | 60 Reusable plastic cuvettes (optical path 5mm)                                                                     |
| Reaction volume         | 180 $\mu$ L~350 $\mu$ L (increment by 1 $\mu$ L)                                                                    |
|                         | 2 probes, one for integrated reagent / sample dispense, One for mixer                                               |
| Sample Probe            | Liquid level detection Collision protection in both vertical and horizontal directions                              |
| Quality Control         | Quality Control program with Levey Jennings chart, Multiple Lots, QC charts, etc.                                   |
| Cleaning system         | Automatic 7-step warm water washing                                                                                 |
| Light Source            | Halogen-Tungsten Lamp (12V, 20W)                                                                                    |
| Wavelength              | 9 positions provided between 300 - 700 nm                                                                           |
| Photometry Range        | 0.0001-4.0000Abs                                                                                                    |
| Reaction Temperature    | 37 $\pm$ 0.1 $^{\circ}$ C                                                                                           |
| Computer                | External PC                                                                                                         |
| Communication Interface | Instrument / Computer: RS-232C, Network Port (can be expanded)                                                      |
| Operating system        | Windows XP or Windows 7,8,10, friendly interface                                                                    |
| Power Supply            | ~100-220V, 50/60Hz (AC)                                                                                             |
| Dimensions              | 415mm(W) X 565mm(L) X 385mm(H)                                                                                      |
| Weight                  | 28 Kgs                                                                                                              |