**Technical specifications**

**METHODS OF CALCULATIONS**  
• Absorbance  
• End Point with standard / factor  
• Kinetics  
• Fixed time  
• Differential  
• Coagulation  
• Multipoint upto 10 standards

|  |
| --- |
| **COAGULATION** |
| |  |  | | --- | --- | | INR / ISI Value % / Seconds | | | Auto / Manual start | | | Parameters | PT / APTT | | Filters | 405 nm | |
| **OPTICAL SYSTEM** |
| |  |  | | --- | --- | | Principle | Absorption spectrometry | | Range of measurement | From – 0.1 to 3.0A | | Nominal spectral range | Automatic via filter wheel | | Filters | 340, 405, 450, 505, 546, 578, 630 and 700nm interference type | | Bandwidth | 10 nm (± 2nm) | | Light source | Halogen lamp 12V / 20W OR 6V/10W | | Zero | Automatic | | Settings | Monochromatic and Bichromatic readings. | | Detector | Schottkey type Photodiode - Silicon | |
| **THERMOSTAT SYSTEM** |
| |  |  | | --- | --- | | Peltier regulated 25°, 30° & 37°C programmed / RT | | | Accuracy | ± 0.1°C | |
| **INTERFACE** |
| |  | | --- | | RS - 232 For PC Connection | | Parallel Port - For 80 Column Dot Matrix Printer | |
| **DRY BATH INCUBATOR** |
| |  |  | | --- | --- | | 13 mm Diameter | 15 Positions | | 10 mm Diameter | 4 Positions | | Default Temperature | 37° C + 0.2° C | | 3 Inbuilt Timers | T1 / T2 / T3 | | 4 Default Time | 3 Min. / 5 Min. / 10 Min. / 15 Min | | 1 Location Open | Editable up to 99 Hours / 99 Min. | | Temperature Setting | 25°C to 45°C | | LCD | Alpha Numeric 20 x 2 Lines | | Keyboard | Soft Tactile Switches | |
| **CUVETTES** |
| |  |  | | --- | --- | | Flow cell of 18 mL | | | Removable cuvettes | Macro, Semi-micro & Micro Plastic or Glass | |
| **PRINTER** |
| |  |  | | --- | --- | | Type | Fast Thermal Graphic | | Printing speed | 50 mm/sec | | Dots per line | 384 dots/line | | Paper | Thermosensitive - 57 mm wide, Easy Loading | |
| **SCREEN AND KEYBOARD** |
| |  |  | | --- | --- | | Screen | Graphic LCD 240 x 128 pixels | | Back Light | Blue LED Back lit | | Keyboard | PS-2 Type | |
| **SUCTION SYSTEM** |
| |  | | --- | | Continuous flow system with peristaltic gear pump. | | Sipping volume can be programmed from 300 ml to 5.0 ml. | |
| **PROGRAMMING** |
| |  |  | | --- | --- | | Table of tests | up to 235 | | Table of units | up to 9 units | | Quality control storage of the last 30 results | | | Memory | 128 KB EEPROM (1000 Test Results) | |
| **QUALITY CONTROL** |
| |  | | --- | | 2 Controls per test - Normal & Abnormal | | Levy-Jennings charts | | Westgard's rules | |
| **POWER / DIMENSIONS** |
| |  |  | | --- | --- | | Voltage | 110-220 V | | Frequency | 50 - 60 Hz | | Maximum power | <110W | | Temperature | 10° to 40° C | | Maximum relative humidity | 80% | | Dimensions | 45 cm x 41 cm x 17 cm | | Weight |  | |