

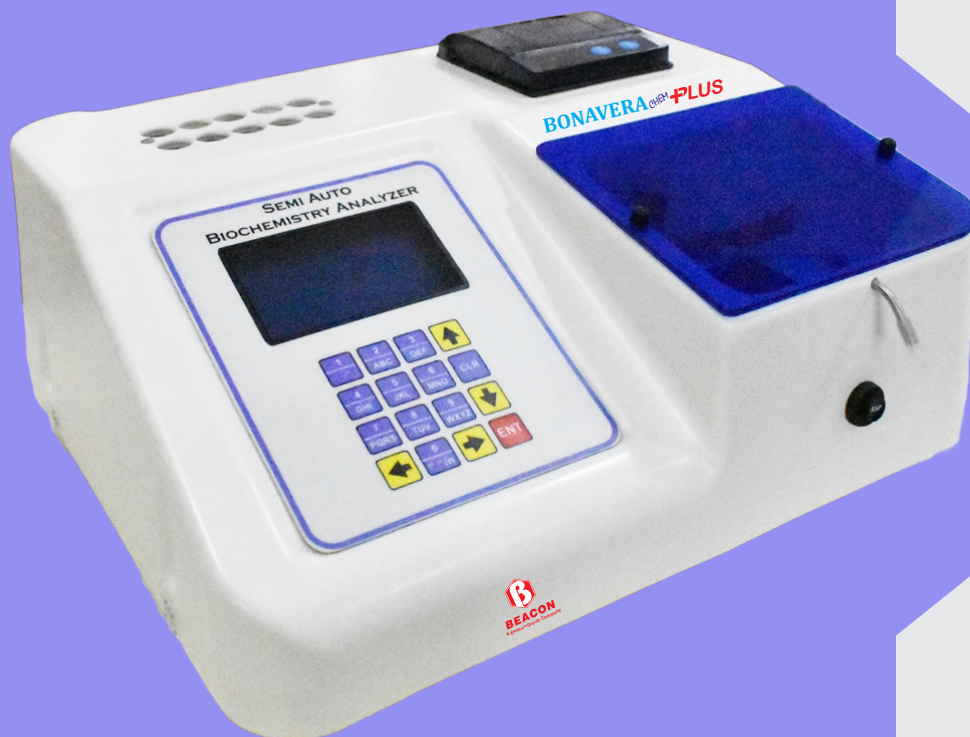
BONAVERA^{CHEM} PLUS

SEMI AUTOMATIC BIOCHEMISTRY ANALYZER



BEACON
A Beacon Group Company

BEACON offers the new streamline product BONAVERA CHEM PLUS Semi Automatic Analyzer with innovative LED system, Advanced mechanism and Highly efficient optical system



Instrument Hardware Features

LEDs.

- 7 Wavelengths with LED light source, truly a new generation in semi automatic analysers.
- LED as a light source consumes low power and long practically very long durability.

Ergonomic instrument Design

- Separate incubator with 10 well with fixed temperature 37 °C
- Facility of air purging and clearing aspiration system
- Stylist spill proof membrane keyboard
- 3" graphical display with online graph facility
- Easy to load in built thermal printer

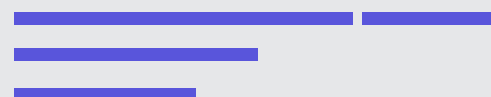
Special Software Features

Multi standard up to 6 calibrators with editing facility

Optical Check and Pump calibration facility

Intelligent error trapping system with abnormal samples

100 test program with 1000 result memory



TECHNICAL SPECIFICATIONS

Optical System

Range of Measurement	: 0.000 to 3.5 Abs
Wavelengths	: 340 nm, 405 nm, 505 nm, 545 nm, 580 nm, 630 nm, 670 nm
Flow Cell	: 32 μ L Quartz Flow Cell with 10 mm Path length
Reagent Volume	: Minimum of 350 μ L (0.350 mL)
Light Source	: Multiple LED source (7 Wavelengths)



Programming

Program	: 100 user defined programs
Analysis Method	: Kinetic, Fixed Time, End Point, Multi standard upto 6 calibrations, Monochromatic and Bi-chromatic, Absorbance & Scan capacity
Software	: Very easy test programming and editing for factor and standard values, Editing of calibrators in multi standard mode
Storage	: Factor & standard values storage, 1000 results memory with facility to select results as per date and test

Incubators

10 position inbuilt incubators with 37 °C

Input/Output Interface

Display	: 3 Inch Graphical LCD
Keyboard	: Spill – proof Membrane Keyboard
Thermal Printer	: 57 mm thermal printer easy load with quick action hatch
Output interface	: Serial port (RS 232) output direct connectivity to external printer and computer

Thermostat System

Temperature	: RT & 37 °C Temperature \pm 0.5 °C
Thermostat	: Digital

Power Supply

Working on External SMPS Adapter 15 V DC/75 Watt,
AC mains : 180 V to 240 V AC, 50/60 Hz
Instrument can operate on 15v / 5 Amp Commercial Battery

Physical Specifications

Environment temperature	: Room Temperature 10 °C – 35 °C
Relative Humidity	: <90 %, Protect from sunlight
Dimension	: 400mm (L) x 300mm (W) x 140mm (H) approx
Weight	: About 4.5 kgs



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