



Semi-Automatic Biochemistry Analyzer FM-SBC-A100

Overview

Semi-Automatic Biochemistry Analyzer FM-SBC-A100 offers an absorbance range of 0.0 to 4.0 ensuring accurate analysis for both low and high-concentration samples. It uses back spectrophotometry to measure light absorption accurately for turbid or scattered samples. This unit features a separate signal processing circuit for each wavelength for multi-wavelength analysis. Our semi-automatic biochemistry analyzer adopts a touch screen for easy and accurate test result analysis.

Specifications :

Absorbance Range	0.000 to 4.000 Abs
Resolution	0.001 Abs
Temperature	10 to 30
Humidity	30 to 80%
Temperature accuracy	-0.1 at room temperature 37°C
Temperature Control	Peltier elements
Precision Error	<1%
Analysis Method	Kinetics, End Point, Two Point, Multi-Point
Optical System	340 to 800 nm
Standard Filters	340, 405, 492, 510, 546, 578, 630 nm wavelength
Filters Accuracy	- 2 nm
Flow Cell	Titanium quartz alloy
Flow Cell Capacity	33µL
Optical Path	10mm
Precision Drift	<5mAbs/hr
Printer	<1%
CPU	Thermal printer, 57mm width paper
Memory	Samsung S5PV210, Cortex-TM-AB, 1GHz
Light Source	DDR2 SDRAM 256MB, Flash 4GB
Interface	Halogen lamp 10W/6V
Dimensions (L xW xH)	3 USB ports, 1 RS232 serial port
Net Weight	380 x280 x170 mm
Gross Weight	5 Kg

Features :

- Reduces risk of contamination
- Prevents mechanical movements
- Equipped with titanium flow cell
- Integrated with 7 membrane filters
- Features a hermetic optical system

Applications :

Semi-Automatic Biochemistry Analyzer FM-SBC-A100 performs precise biochemical tests including enzyme activity, glucose levels, and protein concentrations, and is used in clinical diagnostics, medical laboratories, and research institutions for routine tests and advanced biochemical analysis.