



Automatic Chemistry Analyzer FM-ACA-B100

Overview

Automatic Chemistry Analyzer FM-ACA-B100 can perform 400 tests per hour with small sample volume of 1 to 70 μL . Sample probe features anti-collision and real time volume detection for accurate measurements. Stable tray temperatures facilitate efficacy of reagents during analysis. Integrated with user-friendly software for simplified data documentation. Our Chemistry Analyzer carries out end point, fixed point, kinetic and turbidimetry assays.

Specifications :

Throughput	400 Tests / hour
Analysis Method	End-point, Fixed-time, Rate (Kinetic), Turbidimetry
Sample Volume	1 to 70 μL
Number Of Sample Positions	60
Reagent Volume	10 to 350 μL
Number Of Refrigerated Reagent Positions	90
Reagent Tray Temperature Range	2 to 8 $^{\circ}\text{C}$
Reaction Tray Temperature	37 – 0.1 $^{\circ}\text{C}$
Reaction Tray Temperature Control Type	Real time monitoring
Sample Probe	Teflon coating, anti-collision function, liquid level detection
Mixer Probe	Independent stirring
Probe Washing	7 step automatic washing system, both interior and exterior washing
Cuvette Type	Reusable
Number Of Cuvette	120
Cuvette Optical Length	6 mm
Cuvette Washing	Automatic
STAT Function	Yes
Optical System	Post-spectral spectrophotometry
Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800 nm
Absorbance	0 to 3.5
Light Source	Halogen-tungsten lamp, 12V/ 20W
Calibration	Both Linear and Non-Linear Linear: K factor, 1-point, 2-point, multipoint Non-Linear: Spline, Polygon, Logit-4P, Logit-5P
Quality Control	Real-time QC, Westgard multi rule, Cumulative Sum Check, Twin Plot (2D), Daily QC, Monthly QC
Software	Windows 7/8/10, 32 or 64bit
LIS System	Bi direction, supports HL7 protocol
Interface	LAN port access
Printer	External, multiple reporting modes
Working Temperature	15 to 30 $^{\circ}\text{C}$
Operating Humidity	40 to 85 %
Water Consumption	Deionized water: <12 L/h
Certifications	CE, FDA, ISO9001, ISO13485
Power Supply	220V – 10% 50/60 Hz, 110V – 10% 60 Hz, 500 VA
Dimensions (W xD xH)	1170 x775 x1145 mm
Packaging Dimensions (W xD xH)	1358 x935 x1387 mm
Net Weight	190 kg
Gross Weight	255 kg

Features :

- High-throughput processing
- Automatic sampling
- Built-in quality control mechanisms
- Real-time monitoring
- 7 step independent probe washing
- 120 reusable cuvettes
- Probe liquid level sensor

Applications :

Automatic Chemistry Analyzer conducts routine clinical tests, biomarker diagnosis and immunoassays in hospital settings. It is also utilized for nutritional, toxicological, environmental testing and quality control analysis.