



## Semi-auto Electrolyte Analyzer FM-SAE-A100

### Overview

Semi-auto Electrolyte Analyzer FM-SAE-A100 determines ion concentrations in 200  $\mu$ L sample volume within 25 seconds. Incorporated with latest ion selective electrode technology for reliable analysis. Designed with automatic monitoring and filtering of air bubbles to improve accuracy. Features wave and pipeline flushing to prevent cross-contamination. Our Semi-auto Electrolyte Analyzer facilitates quantitative diagnosis of electrolyte disorders.

### Specifications :

Sample Type	Whole blood, serum, plasma, cerebrospinal fluid, dilute urine
Sample Volume	200 $\mu$ L
Measuring Time	$\leq$ 25s
Analysis Method	Ion selective electrode (ISE)
Measuring Parameters	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> , iCa <sup>2+</sup> , nCa <sup>2+</sup> , TCa <sup>2+</sup> , TCO <sub>2</sub> , pH, AG
Measuring Range	K <sup>+</sup> 0.5 to 20 mmol/L Na <sup>+</sup> 15 to 200 mmol/L Cl <sup>-</sup> 15 to 200 mmol/L Ca <sup>2+</sup> 0.1 to 6 mmol/L TCO <sub>2</sub> 2 to 70 mmol/L pH 4 to 9
Resolution	K <sup>+</sup> 0.01 mmol/L Na <sup>+</sup> 0.01 mmol/L Cl <sup>-</sup> 0.01 mmol/L Ca <sup>2+</sup> 0.01 mmol/L TCO <sub>2</sub> 0.1 mmol/L pH 0.01
Working Temperature	10 to 40
Relative Humidity	$\leq$ 80%
Atmospheric Pressure	86 to 106 kPa
Number Of Sample Positions	30
Injection Mode	Manual
Calibration	Automatic and Manual calibration
Display	7-inch HD touch screen
Language	Customizable
Storage	Up to 50,000 test results
Printer	Built-in thermal printer
Interface	RS232 port
Power Supply	AC 110 to 240 V, 50 to 60 Hz, 70VA
Dimensions (W xD x H)	405 x214 x471
Packaging Dimensions (W xD xH)	500 x390 x530
Net Weight	13.13 kg
Gross Weight	16.73 kg

### Features :

- Sample volume detection
- Automatic potential tracking correction
- 7-inch high-definition touch screen
- Easy integration with Laboratory Information System
- Auto power shut off protection
- Fault warning alarm

### Applications :

Semi-auto Electrolyte Analyzer helps in clinical routine diagnostics and emergency assessment of ion concentrations during electrolyte imbalances.