

ELECTROLYTE ANALYZER (XD687)



The XD687 Electrolyte Analyzer adopts the ion-selective electrode technology. And It is automatically controlled by the computer. It can fast, accurately and reliably test K^+ , Na^+ , Cl^- and TCO_2 in the biological sample. The XD687 Electrolyte Analyzer is convenient and practical clinical testing instrument.

The Technological Characteristics

- It employs the microprocessor technology. The working of the instrument is completely controlled by the computer program.
- It has big LCD screen display. The users can interact with the machine directly. The whole operating process is quite simple.
- It has automatic air bubble examining function. The accuracy of the examination is guaranteed. The instrument can be 24 hours powered on, and will be automatically in the sleeping mode if there is no testing in 10 minutes.
- Automatic sampler is optional. One sample disc has 40 sample positions.
- Automatic two-point calibration, multi-point quality-control and outside QC modification programs, quality-control program: It can set up 1-3 quality-control samples, calculate the value of X, SD and CV%, and print out 30 days' quality-control chart.
- It can store 2000 testing results. Barcode reader is optional. Sample information is input conveniently and quickly.
- It can be connected into LIS system.



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Specifications

Measuring parameter	Measuring range	Resolution	Measuring Precision
K	0.50-15.0 mmol/L	0.01 mmol/L	CV≤1.0%
Na	30.0-200.0 mmol/L	0.1 mmol/L	CV≤1.0%
Cl	30.0-200.0 mmol/L	0.1 mmol/L	CV≤1.0%
TCO ₂	5.0-60.0 mmol/L	0.1 mmol/L	CV≤4.0%

Other Parameters

Measuring time	≤60 Seconds (including sample aspirating, washing and printing time)
Sample volume	120μL, minimum 65μL
Sample types	Plasma, serum, cerebrospinal fluid (CSF), whole blood, diluted urine (only measuring K ⁺ , Na ⁺ , Cl ⁻)
Data output	LCD screen, built-in printer; RS232 port can be connected with the external computer.
Working environment	Temperature 5-40°C, Relative humidity ≤80%
Power supply	AC220V±10%, 50Hz, 60VA
Dimension	420mm× 360mm× 270mm
Weight	11kg (main machine)

