

Caretium



XI-1021

● Fully Automatic Electrolyte Analyzer

Caretium

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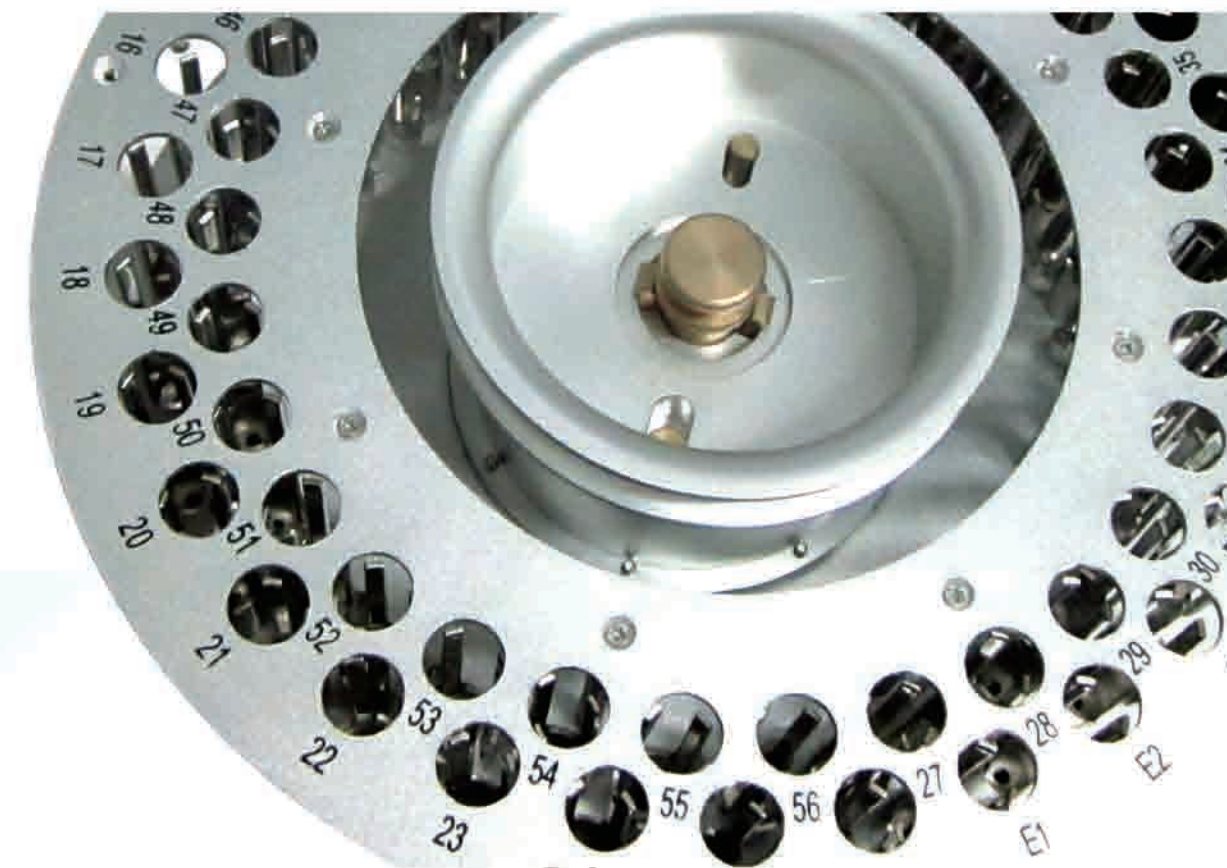
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XI-1021

Fully Automatic Electrolyte Analyzer

Features:

- Large color LCD touch screen, user-friendly machine with graphical menu, easy-to-use operation. Dynamic and real-time display of running status of the sample tray. Multi-language operational software including English, Chinese, French and Spanish.
- High performance electrodes: high precision and wide linearity range, guaranteed with long shelf life.
- High accuracy: support high / low value calibrators, automatic calibration of slope and intercept values, avoiding systematic errors caused by matrix effect.
- Advanced automatic control software: automatic two-point STD, and sample aspiration calibration, Automatic liquid level detection. Supporting aspiration of sample from centrifugal tubes.
- Built-in bar-code scanner for positive identification and LIS bi-directional software, allowing machine/host-computer connection.
- Throughput: Up to 60 samples per hour (up to 300 tests per hour), 60 positions for each tray, Up to 5 different trays can be programmed.
- Measuring method with single point STD. Real-time detection of each electrode working status, eliminating electrodes drift, ensuring accurate results.
- The machine adopts automatic sequential air and liquid flushing technology, and wash the probe in both internal and external surface to avoid cross contamination.
- Easy for maintenance: automatic liquid level detection and alarms, real-time diagnostic of system working status.
- Up to 45,000 test results can be stored with convenient sample results review and print-out by sample ID.
- Test results can be uploaded to PC through RS232 port, convenient for print-out comprehensive report; built-in bar-code scanner and USB interface.
- Emergency sample priority to measurement; support 3 levels of QC, and display, print-out of standard QC graphs.



Specifications:

Sample System

Sample tray: 60 positions (Including calibration, QC, cleaning)
Sample probe: Automatic liquid level detection
Probe cleaning: Internal and external washing automatically

Reagent System

Reagent Pack: 1 pack (containing 650 mL of Standard A, 350 mL of Standard B and 350 mL of R solution (in case of presence of TCO₂ module) and a waste pouch; real-time monitoring of reagent volume

Analysis System

Measurement of K, Na, Cl, Ca, TCO₂ (by manometric method) working independently or at the same time (available for different combinations)

Operation System

Operated under Linux software
Display: LCD Touch screen in color
Print-out: Programmable multi-format print-out
Interface: 1 RS-232 port, built-in bar-code scanner, 1 USB port

Sample nature

Serum, Plasma, Whole blood, Diluted urine
CSF, Pleural fluid

Speed

Up to 60 samples per hour or up to 300 tests per hour (according to the model)

Working Environment

Temperature: 10°C ~ 30°C
Relative humidity: 20% ~ 85%
Atmospheric pressure: 86 ~ 106Kpa
Power supply: 100-240(VAC), (50 ~ 60) Hz ± 1 Hz

Dimension

715mm × 540mm × 470mm(L × W × H)

Weight

40kg

Technical Index

Parameter	Accuracy	CV	Range(mmol/L)	Available Models	
K ⁺	≤3.0%	≤1.0%	0.50~15.0	XI-1021B	K ⁺ / Na ⁺ / Cl ⁻ / CO ₂
Na ⁺	≤3.0%	≤1.0%	30.0~200.0	XI-1021C	K ⁺ / Na ⁺ / Cl ⁻ / Ca ²⁺ / pH
Cl ⁻	≤3.0%	≤1.0%	30.0~200.0	XI-1021D	K ⁺ / Na ⁺ / Cl ⁻ / Ca ²⁺ / pH / CO ₂
Ca ²⁺	≤3.0%	≤3.0%	0.10~5.0	XI-1021F	K ⁺ / Na ⁺ / Cl ⁻
CO ₂	≤3.0%	≤3.0%	6.5~50.0		