

## Parameters

Parameters	CV%	Resolution	Measure Range
K <sup>+</sup>	≤1.0%	0.01mmol/L	0.50~15.00 mmol/L
Na <sup>+</sup>	≤1.0%	0.1mmol/L	30.0~200.0mmol/L
Cl <sup>-</sup>	≤1.0%	0.1mmol/L	30.0~200.0mmol/L
Ca <sup>2+</sup>	≤1.5%	0.01mmol/L	0.10~5.00mmol/L
pH	≤1.0%	0.01mmol/L	4.0~9.50(Unit)
CO <sub>2</sub>	≤3.0%	0.1mmol/L	6.0~50.0mmol/L

## Specifications

Principle	Ion Selective Electrode Principle
Parameters	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> , nCa <sup>2+</sup> , iCa <sup>2+</sup> , TCa, pH, CO <sub>2</sub> , AG
Sample Type	Serum, Plasma, Blood, Urine
Sample Volume	100-150ul
Calibration	One point calibration, two point calibration
Output	Built-in thermal printer, RS-232 serial port to LIS
Power	100~240V AC, 50/60Hz
Weight/Dimension	8.5kg/365*320*415mm
Language	Chinese, English, French, Portuguese

Caretium is the drafting committee of China's national "Industrial Standard of Electrolyte Analyzer" & "Metrological Verification Regulations of Electrolyte Analyzer" and the sole manufacturer who was authorized to produce national ISE Traceable Reference Material.



# XI-931T

## Electrolyte Analyzer

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EU CE certification









ISO certification

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# XI-931T

## Electrolyte Analyzer

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 • Fast response speed of embedded CPU, inner memory chip can save up to 10,000 test results.
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 • Due to all accumulated records permanently restored in memory chip, the business mode of medical device rental is feasible for separate business accounting.
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 • The test speed of electrolyte items < 60s/sample, with calibration of every test to eliminate the potential drift of the electrodes.
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 • With the progress bar showing on the bottom of screen, the measurement process can be observed directly.
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 • Support self-defined time when system is into the standby mode, and auto maintenance frequency that it is under the standby status.
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 • Support 7\*24 hours online.
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 • Support 3 level QCs, and 30-day QC curves can be recorded; Support single-point & double-points calibration.
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 • With the well maintenance, debug, and other self-defined functions, the real-time electrode potentials could be displayed, hence the electrodes status can be checked out.

### Two optional sampling system

- With two optional sampling system, the machine can auto. detect samples and start testing automatically. It also supports barcode scanning.
- Intelligent liquid detection function supports to test the centrifuge tube directly.

### Parameter configuration

- XI-931FT: K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>
- XI-931CT: K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, nCa<sup>2+</sup>, iCa<sup>2+</sup>, TCa, pH
- XI-931BT: K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, CO<sub>2</sub>, AG
- XI-931DT: K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, nCa<sup>2+</sup>, iCa<sup>2+</sup>, TCa, pH, CO<sub>2</sub>, AG



### Integrated paper reagent package

- Using recycling all-in one paper reagent pack, not only environment protection, but also lowering waste process cost.
- With remainder volumes management chip inside of reagent pack, user can receive exchanging pack information on time.



### Electrode system

- Good electrode performance with higher precision, wider linearity range, and long lifetime.
- Fully sealed aluminum alloy electrode box can block outer interference and ensure measurement stability.
- Inside cold light source as background illumination for convenience of liquid piping maintenance.



### LCD touching screen

- 7" color LCD touching screen.
- Simple operation interface, straightforward graphic menu.



### 931 series consumables

- Full matched reagent and consumable supplies for multiple requirements.



### Auto elevation sampling

- The sampling system with closed loop cleaning function, probe may auto pop out for next sample after testing.



### Self-defined functions

- With the well maintenance, debug, and other self-defined functions, the real-time electrode potentials could be displayed, hence the electrodes status can be checked out.