



ELECTROLYTE ANALYZER



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Electrolyte Analyzer

EA-5-25-A EA-5-25-B EA-5-25-D



Features

Economical and practical

A product with a high usage rate and a wide range of users.

Switch on and off at any time, saving reagents, reagent test cost ≤ \$0.2

The cost of consumables is low, and the hospital can quickly recover the cost within a few months;

Easy to operate

The instrument only has YES and NO keys, concise menu display, simple and clear operation;

Optional automatic sampling, calibration is simple and practical.

Accurate measurement

Adopt advanced ion measuring technology to ensure accurate measurement;

Imported electrode raw materials, long service life.

German CO2 sensor with a service life of up to 10 years;

Adopt automatic potential tracking correction technology to ensure measurement stability;

Measuring range, resolution and accuracy

Items	Measuring Range	Resolution	Measurement accuracy (CV%)
K	0.5—20.0 mmol/L	0.01mmol/L	≤1.0%
Na	15—200 mmol/L	0.1mmol/L	≤1.0%
Cl	15—200 mmol/L	0.1mmol/L	≤1.0%
Ca	0.1—6.0 mmol/L	0.01mmol/L	≤1.0%
pH	4—9 pH	0.01pH	≤0.5%

Description

Electrolyte analyzers are indispensable in clinical testing. In clinical practice, it mainly tests and maintains the balance of osmotic pressure in human blood and body fluids; in surgery, burns, diarrhea, acute myocardial infarction and other patients who need a large amount of balanced fluid replacement, the test and detection of ions are very important.

EA Series Electrolyte Analyzers are highly precise and accurate, providing accurate, reliable, fast, and easy-to-use results for any sample. Therefore, ion detection is an essential general equipment for hospitals at all levels.

Advanced technology

- Automatic detection and filtering of fine air bubbles, waste liquid overflow alarm function
- With power-off protection function, the results can be automatically stored up to 10,000 sets of data;
- One analysis can do up to 9 items and 11 parameters (specific version)
- The United States imports raw materials and key accessories, and the technical indicators have reached the international advanced level
- It can be connected to the LIS system to facilitate hospital management;
- Optional automatic sample feeding tray, with automatic cup-seeking detection system
- The user can switch the instrument on and off at any time 24 hours as needed to save costs
- After sample analysis, it has automatic flushing function to keep the electrode in good standby condition.

Specifications

Model	EA-5-25-A	EA-5-25-B	EA-5-25-D
Test item	K、Na、Cl	K、Na、Cl、TCO2、AG	K、Na、Cl、iCa、nCa、TCa、pH、TCO2、AG
Sample Types	Serum, Plasma, Whole blood, Cerebrospinal fluid and diluted urine		
Sample consumption	60-300μL (Item 3 to item 11)		
Measuring technology	Ion Selective Electrode		
Analysis time	25-40 seconds		
Storage	Up to 10000 test results		
Printer	Internal thermal printer		
Ambient Conditions	15-40 °C (60-104 F), ≤ 85% humidity		
Communication Interface	RS232		
Optional	Auto sampler : 39 positions (Including 5 emergency and 2 QC)		
Electricity	220V±20V AC, 50Hz-60Hz, ≤120W		
Dimension	380mm*270mm*400mm		
Net weight	7Kg		

Electrolyte Analyzer

EA-3-30 EA-5-30



Advantages

- Self-made maintenance free electrodes
- Electrodes observing window
- Sleep mode to save reagent
- Rapid test speed: $\leq 30\text{seconds/test}$
- Min-volume sample consumption: 65 μL
- Reagent pack to avoid pollution
- On-line instructions provided for self problem-solving
- 21000 records storage
- Automatic one point and two points calibration with additional manual calibration



Specifications

Model	EA-3-30	EA-5-30
Ambient Temperature	5°C~40°C	
Relative Humidity	85%	
Sun Radiation	Avoid direct sunshine	
Electricity	100-240v ~ 50/60Hz	
Packing dimension	520 * 450* 470 mm	
Net weight	8.25Kg	
Gross weight	10.5Kg	

Features

- Sample type : plasma, serum, whole blood, urine.
- Self-test functions with hints to solve problem
- Wide LCD display (240*128)
- Dot matrix or thermal printer on demand
- Numeric keypad for convenient operations
- Randomly choose any combination of K, Na, Cl, Ca, pH
- High efficient cleaning procedures best for fatty samples
- Automatic calibration on alarms
- High middle and low QC values provided to adjust linearity
- RS232 port available
- Slope and intercept adjustable to ensure accuracy and linearity
- Electrode maintenance alerts
- Closed container for both calibrates and waste, which prevents the bio-organic pollution
- Auto sampler volume:39 samples



Test range and accuracy

Channel	Range	Resolution	CV%
pH	6.00~9.00	0.01	=1.0
K+	0.50~10.00mmol/L	0.01	<1.0
Na+	20.0~200.0 mmol/L	0.1	<1.0
Cl-	20.0~200.0 mmol/L	0.1	<1.0
Ca ⁺⁺	0.3~5.0mmol/L	0.01	<1.5
Li+	0.1~30 mmol/L	0.01	<1.5

Electrolyte Analyzer

EA-5-40



Selling point

Measuring technology: Ion Selective Electrode (ISE)

Item: K, Na, Cl, iCa, nCa, TCa, pH

Analysis speed: ≤ 40 seconds

Sample consumption: 150μL

Storage: Up to 10000 test results

Advanced technology



Automatic detection and filtering of fine air bubbles, waste liquid overflow alarm function



Key materials are imported from the United States, and the technology level is internationally leading.



With power-off protection function, the results can be automatically stored up to 10,000 sets of data;



It can be connected to the LIS system to facilitate hospital management;



After sample analysis, it has automatic flushing function to keep the electrode in good standby condition.

Description

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EA Series Electrolyte Analyzers are highly precise and accurate, providing accurate, reliable, fast, and easy-to-use results for any sample. Therefore, ion detection is an essential general equipment for hospitals at all levels.

Features

Economical and practical:

A product with a high usage rate and a wide range of users.

Switch on and off at any time, saving reagents, reagent test cost ≤ \$0.2

The cost of consumables is low, and the hospital can quickly recover the cost within a few months;

Easy to operate:

The instrument only has YES and NO keys, concise menu display, simple and clear operation;

The user can switch the instrument on and off at any time 24 hours as needed to save costs;

Accurate measurement:

Adopt advanced ion measuring technology to ensure accurate measurement;

Imported electrode raw materials, long service life.

German CO2 sensor with a service life of up to 10 years;

Adopt automatic potential tracking correction technology to ensure measurement stability;

Specification

Model	EA-5-40
Test item	K, Na, Cl, iCa, nCa, TCa, pH
Sample Types	Serum, Plasma, Whole blood, Cerebrospinal fluid and diluted urine
Sample consumption	150μL
Measuring technology	Ion Selective Electrode
Analysis time	40 seconds
Storage	Up to 10000 test results
Printer	Internal thermal printer
Ambient Conditions	15-40 °C (60-104 F), ≤ 85% humidity
Electricity	220V±20V AC, 50Hz-60Hz, ≤120W
Dimension	380mm*270mm*400mm
Net weight	7Kg

Measuring range, resolution and accuracy

Items	Measuring Range	Resolution	Measuring Precision (CV%)
K ⁺	0.5-20.0mmol/L	0.01 mmol/L	≤1.5%
Na ⁺	30-200mmol/L	0.1 mmol/L	≤1.5%
Cl ⁻	20-200mmol/L	0.1 mmol/L	≤1.5%
Ca ²⁺	0.2-5.0mmol/L	0.01 mmol/L	≤2.0%
pH	4-9pH	0.01 pH	≤0.5%

Electrolyte Analyzer

EA-6-50



Specification

Model	EA-6-50
Measurement items	pH, TCO ₂ , Na ⁺ , K ⁺ , Cl ⁻ , Ca ²⁺
Calculation parameters	PCO ₂ (TC), TCa, nCa
Sample	Whole blood 150ul
Test Method	Automatic sampling
Testing time	50s
Printer	Build-in thermal printer
Display screen	8" TFT colorful LCD touch screen
Storage	≥5000 test results
Interface	RS232
Electricity	100V~240V, 47Hz~63Hz

Items	Reference Range	Linearity Range
K ⁺	3.5- 5.5 mmol/L	1.60 - 7.50 mmol/L
Na ⁺	135- 145 mmol/L	100 - 180 mmol/L
Cl ⁻	96 - 108 mmol/L	85- 150 mmol/L
Ca ²⁺	1.1- 1.4 mmol/L	1.50 - 3.00 mmol/L
pH	7.35- 7.45	3.000 - 12.0000
PO ₂	60 - 100 mmHg	0- 800.0 mmHg
PCO ₂	35- 45 mmHg	2.0-200.0 mmHg

Accessories

Free reagent packs and electrodes each one.

The Reagent Packs have 50 persons, 100 persons, 200 persons, 500 persons.

Features

Advanced technology

Solid electrode technology

Liquid calibration technology

Wet measurement mode, with good repeatability and high accuracy

Cost-effective

Cartridge type reagent package

Easy operation

8" colorful graphical touch screen operation

Each measurement channel can be used separately.

A) 24 hours continuous working, make sure of detection in time.

B) Sampling system washed automatically, avoid blocking.



Description

The electrolyte analyzer adopts advanced all-solid-state ion-selective electrode sensor measurement technology, and the sample does not need to be centrifuged; It has large screen display, automatic screensaver, friendly interface, convenient and simple operation, is a high degree of automation, complete functions, easy operation, and is accurate and reliable clinical testing equipment.

Electrolyte Analyzer

EA-7-25-A EA-7-25-B EA-7-25-C EA-7-25-D



Features

Accurate measurement

Adopt advanced ion measuring technology to ensure accurate measurement;

Imported electrode raw materials, long service life.

German CO2 sensor with a service life of up to 10 years;

Adopt automatic potential tracking correction technology to ensure measurement stability;

Economical and practical

A product with a high usage rate and a wide range of users.

Switch on and off at any time, saving reagents, reagent test cost ≤ \$0.2

The cost of consumables is low, and the hospital can quickly recover the cost within a few months;

Easy to operate

Optional automatic sampling, calibration is simple and practical.

It supports two reagent modes of environmental protection reagent pack and traditional reagent bottle

It supports four common types of sample adding cups, including Telcon cup, biochemical cup, bullet head and original test tube.

Optional full-automatic sampling device with original tube sampling and barcode scanning functions



Measuring range, resolution and accuracy

Items	Measuring Range	Resolution	Measuring Precision(CV%)
K ⁺	0.5-20.0mmol/L	0.01 mmol/L	≤1.0%
Na ⁺	15-200mmol/L	0.1 mmol/L	≤1.0%
Cl ⁻	15-200mmol/L	0.1 mmol/L	≤1.0%
Ca ²⁺	0.1-6.0mmol/L	0.01 mmol/L	≤1.0%
Li ⁺	0.1-5.0mmol/L	0.01 mmol/L	≤2.0%
pH	4-9pH	0.01 pH	≤0.5%
TCO ₂	2.0-70.0mmol/L	0.1 mmol/L	≤3.0%

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After sample analysis, it has automatic flushing function to keep the electrode in good standby condition.

Specifications

Model	EA-7-25-A	EA-7-25-B	EA-7-25-C	EA-7-25-D
Test item	K, Na, Cl	K, Na, Cl, TCO ₂	K, Na, Cl, iCa, nCa, TCa, pH	K, Na, Cl, iCa, nCa, TCa, pH, TCO ₂ , AG
Sample Types	Serum, Plasma, Whole blood, Cerebrospinal fluid and diluted urine			
Sample consumption	60-300μL (Item 3 to item 11)			
Measuring technology	Ion Selective Electrode			
Analysis time	≤25-40 seconds			
Storage	Up to 10000 test results			
Printer	Internal thermal printer			
Electricity	220V±20V AC, 50Hz-60Hz, ≤120W			
Ambient Conditions	15-40 °C (60-104 F), ≤ 85% humidity			
Communication Interface	RS232			
Optional	T&K cup / blood collection tube Auto sampler : 39 positions (Including 5 emergency and 2 QC)			
Dimension	340mm*200mm*380mm			
Net weight	6Kg			