



# **AUTOMATIC ELECTROLYTE ANALYZER**

## **LD-LAEA-A1 SERIES**

## Automatic Electrolyte Analyzer LD-LAEA-A10

Automatic Electrolyte Analyzer LD-LAEA-A10 is a compact, easy - to- use table top unit comes with aspiration volume ranging from 60 to 150  $\mu$ l. This electrolyte analyzer works on principle of ion selective electrode measurement technology. Measures the concentration of  $K^+$ ,  $Na^+$ ,  $Cl^-$  ions in serum, plasma, whole blood, cerebrospinal fluid and dilute urine. It is a fast, accurate, convenient and practical clinical testing instrument. Low consumption of reagents, effectively reducing the cost of consumables. It has automatic and manual dual sampling mode. Automatic fault alarm and elimination, improves the work efficiency.

### Features

- 7" HD touch panel, easy to operate
- Sample types can be tested are serum, plasma, whole blood, cerebrospinal fluid and dilute urine
- Automatic monitoring and filtering of tiny air bubbles to ensure measurement accuracy
- Wave flushing and pipeline flushing can avoid blockage and cross-contamination
- Reagents are having stable performance, long shelf life and made up of high-quality raw material
- Power-off protection, can protect the stored data
- With the function of automatic fault alarm and elimination
- The software supports automatic potential tracking correction to ensure stable performance
- With Built-in thermal printer

### Application

In medical field, physician's lab, clinical testing, where it is important to test and detect ions in the patient who needs a large amount of balanced rehydration in surgery, burns, diarrhoea, acute heart attack, etc.

### Technical Specification

Model No.	LD-LAEA-A10		
Tested Parameters	$K^+$ , $Na^+$ , $Cl^-$		
Sample Tray	Yes		
Sample Volume	60 to 150 $\mu$ l		
Measuring Range	Items	Measuring Range	Resolution
	$K^+$	0.5-20.0mmol/L	0.01 mmol/L

	Na+	15-200mmol/L	0.1 mmol/L
	Cl-	15-200mmol/L	0.1 mmol/L
Sample Position	26 sample positions, 5 emergency positions, 2 QC positions		
Measuring time	≤25s		
Storage	Up to 50, 000 test results		
Interface	RS232 port for LIS		
Calibration	Automatic and Manual calibration		
Other function	Sample volume detection		
Ambient Temperature	10 to 30°C		
Relative Humidity	≤80%		
Atmospheric Pressure	86-106 kPa		
External Dimension (W x D x H)	668 x 276 x 434 mm		
Packing Dimension (W x D x H)	Instrument: 390 x 500 730 mm Reagent: 215 x 160 x 130 mm		
Net Weight	12 kg		
Gross Weight	Instrument: 18 kg Reagent: 1.8 kg		

## Automatic Electrolyte Analyzer LD-LAEA-A11

Automatic Electrolyte Analyzer LD-LAEA-A11 is a compact, easy - to- use table top unit comes with aspiration volume ranging from 60 to 150 µl. This electrolyte analyzer works on principle of ion selective electrode measurement technology. Measures the concentration of K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, Ca<sup>2+</sup> ions and pH in serum, plasma, whole blood, cerebrospinal fluid and dilute urine. It is a fast, accurate, convenient and practical clinical testing instrument. Low consumption of reagents, effectively reducing the cost of consumables. It has automatic and manual dual sampling mode. Automatic fault alarm and elimination, improves the work efficiency.

### Features

- 7" HD touch panel, easy to operate
- Sample types can be tested are serum, plasma, whole blood, cerebrospinal fluid and dilute urine.
- Automatic monitoring and filtering of tiny air bubbles to ensure measurement accuracy.
- Wave flushing and pipeline flushing can avoid blockage and cross-contamination.
- Reagents are having stable performance, long shelf life and made up of high-quality raw material.
- Power-off protection, can protect the stored data.
- With the function of automatic fault alarm and elimination.
- The software supports automatic potential tracking correction to ensure stable performance.
- With Built-in thermal printer.

### Application

In medical field, physician's lab, clinical testing, where it is important to test and detect ions in the patient who needs a large amount of balanced rehydration in surgery, burns, diarrhoea, acute heart attack, etc.

### Technical Specifications

Model No.	LD-LAEA-A11		
Tested Parameters	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> , iCa <sup>2+</sup> , nCa <sup>2+</sup> , TCa <sup>2+</sup> , pH		
Sample Tray	Yes		
Sample Volume	60 to 150 µl		
Measuring Range	Items	Measuring Range	Resolution
	K <sup>+</sup>	0.5-20.0mmol/L	0.01 mmol/L

	Na <sup>+</sup>	15-200mmol/L	0.1 mmol/L
	Cl <sup>-</sup>	15-200mmol/L	0.1 mmol/L
	Ca <sup>2+</sup>	0.1-6.0mmol/L	0.01 mmol/L
	pH	4-9 pH	0.01 pH
Sample Position	26 sample positions, 5 emergency positions, 2 QC positions		
Measuring time	≤25s		
Storage	Up to 50, 000 test results		
Interface	RS232 port for LIS		
Calibration	Automatic and Manual calibration		
Other function	Sample volume detection		
Ambient Temperature	10 to 30°C		
Relative Humidity	≤80%		
Atmospheric Pressure	86-106 kPa		
External Dimension (W x D x H)	668 x 276 x 434 mm		
Packing Dimension (W x D x H)	Instrument: 390 x 500 x 730 mm Reagent: 215 x 160 x 130 mm		
Net Weight	12 kg		
Gross Weight	Instrument: 18 kg Reagent:1.8 kg		