

Electrolyte Analyzer



**Introduction:**  
BKE series electrolyte analyzer adopts advanced ion selective electrode measurement technology, which can directly measure the concentration of K<sup>+</sup>, Na<sup>+</sup>, Cl<sup>-</sup>, Ca<sup>2+</sup> and pH in serum, plasma, whole blood, cerebrospinal fluid and diluted urine. It is a fast, accurate, convenient and practical clinical testing instrument.

- Features:**
- \* The software supports automatic potential tracking correction to ensure stable performance.
  - \* Automatic monitoring and filtering of tiny air bubbles to ensure measurement accuracy.
  - \* Wave flushing and pipeline flushing can avoid blockage and cross-contamination.
  - \* Power-off protection, can protect data storage, the result can be stored up to 50,000.
  - \* Low consumption, effectively reducing the cost of consumables.
  - \* 7-inch high-definition touch screen, comprehensive content display.
  - \* With the function of automatic fault alarm and elimination, improve work efficiency.

Technical Parameters:

Model	BKE Series
Sample	Serum, plasma, whole blood, cerebrospinal fluid and dilute urine
Measuring Speed	≤25s
Analysis Method	Ion selective electrode (ISE)
Sample Volume	60~150ul
Sample Position	30 sample positions, 5 emergency positions, 2 QC positions
Injection Mode	Manual or automatic injection can be selected
Storage	Up to 50,000 test results
Printer	Build-in thermal printer
Interface	RS232 port for LIS
Display	7-inch high-definition touch screen
Language	Chinese and English, other languages can be customized
Calibration	Automatic and Manual calibration
Other Function	Sample volume detection
Power Supply	AC110~240V,50/60Hz, 100W
Temperature	10~30℃
Relative Humidity	≤ 80 %
Atmospheric Pressure	86~106 kPa

Model	BKE-A	BKE-B	BKE-C	BKE-D
Test Items	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup>	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup>	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> , iCa <sup>2+</sup> , nCa <sup>2+</sup> , TCa <sup>2+</sup> , pH	K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> , iCa <sup>2+</sup> , nCa <sup>2+</sup> , TCa <sup>2+</sup> , pH
Sample Tray	No	Yes	No	Yes
External Size(W*D*H)	390*200*434mm	660*276*434mm	390*200*434mm	660*276*434mm
Net Weight	8.2kg	11.9kg	8.2kg	11.9kg
Package Size(W*D*H) mm	Instrument:390*500*530 Reagent:215*160*130	Instrument:390*500*720 Reagent:215*160*130	Instrument:390*500*530 Reagent:215*160*130	Instrument:390*500*720 Reagent:215*160*130
Gross Weight (kg)	Instrument:13 Reagent:1.8	Instrument:17.5 Reagent:1.8	Instrument:13 Reagent:1.8	Instrument:17.5 Reagent:1.8

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	4-9pH	0.01 pH