

## 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°C
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	6.85kg	10.3kg	6.85kg	10.3kg
Package Size(W*D*H)	540*420*520 mm	540*420*705 mm	540*420*520 mm	540*420*705 mm
Gross Weight	7.5kg	10.95kg	7.5kg	10.95kg

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