

# ***ELK 5000PLUS***

## ***ELECTROLYTE ANALYZER***



## Excellent Performance

- Unique, long lifetime, high performance electrodes
- Advanced automatic control program
- Optimized fluid tubing system
- Optional autoloader



## Easy Operation

- Large LCD display, touch screen
- User-friendly software
- 24 hours non-stop working mode
- Suitable for emergency samples
- Internal thermal recorder



## Accurate Result

- Excellent precision and reliability
- Automatic sampling, washing and calibration



## Convenient Maintenance

- Fully automatic, a real walk-away system
- High integrated reagent bag
- Self-diagnosis software



Parameters	ELK 5000Plus: K <sup>+</sup> , Na <sup>+</sup> , Cl <sup>-</sup> ELK 5000Plus: K, Na, Cl <sup>-</sup> , Ca <sup>2+</sup> , pH ELK 5000Plus: K <sup>+</sup> , Na <sup>+</sup> , Cl, Ca <sup>2</sup> , pH, TCO <sub>2</sub>
Principle	Ion measuring method: ion selective electrode TCO <sub>2</sub> measuring method: manometry
Throughput	50T/H
Sample type	blood (serum, plasma, whole blood), urine, etc
Sample volume	100μL-150μL
Sample position	36 positions
Reagent	ELK 5000Plus reagent bag: standard solution A, standard solution B, cleaning solution, TCO <sub>2</sub> , reaction solution, TCO <sub>2</sub> , standard solution ELK 5000Plus reagent bag: standard solution A, standard solution B, cleaning solution Other reagent: reference solution, internal filling solution, QC solution, rinse kit
Display	5-inch touch screen
Interface	RS-232, USB
Memory	Up to 10,000 results
Power	AC 100-240V, 50/60Hz
Dimension	432mm(L) X 296mm(W) X 453mm(H)
Weight	12.2 kg

Specification	Accuracy	Precision (CV)	Linearity			Stability	Contamination rate
			Range(mmol/L)	Deviation	Relative factor		
K <sup>+</sup>	≤2.0%	≤1.0%	0.5-15	≤3.0%		≤2.0%	≤1.5%
NA <sup>+</sup>	≤2.0%	≤1.0%	30.0-200.0	≤2.0%		≤2.0%	≤1.5%
cl <sup>-</sup>	≤2.0%	≤1.0%	30.0-200.0	≤2.0%	≤0.995	≤2.0%	≤1.5%
Ca <sup>2+</sup>	≤5.0% or 0.05mmol	≤1.5%	0.10-5.00	≤5.0% or 0.05mmol		≤3.0%	≤2.0%
pH	-	≤0.5%	6.00-9.00pH	-		-	-
TCO <sub>2</sub>	≤5.0%	≤3.0%	10.00-50.00	≤3.0%		≤5.0%	≤5.0%