

## ELECTROLYTE ANALYZER



### Advantages



*Easy to Operate*



*Accurate Results*



*Minimal Maintenance*



*Economical*

● Measuring Time 55 Seconds

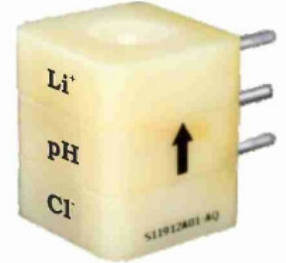
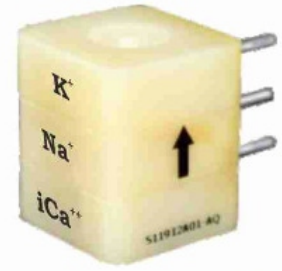
● Alphanumeric Keypad

● Minimal Sample Volume (120 $\mu$ L)

● Long Life & Maintenance Free Electrodes

## FEATURES

- Dispense 120 µL sample and acquire 8 different Critical Care results.
- Electrolytes: Na, K, iCa<sup>++</sup>, Li, pH, Cl. Calculated Parameters: nCa, Tca.
- Compact, Economical and Easy to use.
- Excellent Precision and Reliability.
- Long life & Maintenance-free Electrode Blocks.
- Integrated Parameter conversion functionality.
- One set of Reagent Pack is common for all 10 Combinations.
- Intelligent Reagent Pack with Electronic Chip.
- Extremely low cost per test.



## SPECIFICATIONS

- Principle : Direct measurement with ion selective electrode (ISE).
- Parameters : This functionality allows the change of analytes
- Sample Type : Whole Blood, Serum, Plasma, CSF and Diluted Urine.
- Sample Volume : 120 µL for Whole Blood, Serum, Plasma, CSF & 500 µL for Diluted Urine.
- Calibration : Automatic or On-Demand
- Analysis Time : 55 Seconds.
- Throughput : 55 Samples/hour.
- Data Storage : 10000 Samples, 250 Urine & 100 QC
- Ambient Condition : Storage & Operating Temperature 5C to 40C (41F to 104F) Relative humidity 10-90%
- Display : 128 x 64 graphics display with Alphanumeric Keypad.
- Connectivity : USB Type B Port (LIS).
- Print Out : Built-in 2 inch 24 column thermal printer.
- Power Supply : 100-240V AC, 50/60HZ, 1.4A
- Size & Weight : 9" W x 15.3" H x 12.5" D, Weight: 6.4 kg (without reagent pack).

Electrolyte Analyzer Models									
Electrode Parameters									
BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>	K <sup>+</sup>
Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>	Na <sup>+</sup>
B	B	iCa <sup>++</sup>	iCa <sup>++</sup>	iCa <sup>++</sup>	iCa <sup>++</sup>	iCa <sup>++</sup>	iCa <sup>++</sup>	iCa <sup>++</sup>	iCa <sup>++</sup>
B	B	B	B	Li <sup>+</sup>	pH	Li <sup>+</sup>	pH	Li <sup>+</sup>	Li <sup>+</sup>
B	B	B	B	B	B	pH	B	B	pH
B	Cl <sup>-</sup>	B	Cl <sup>-</sup>	B	B	B	Cl <sup>-</sup>	Cl <sup>-</sup>	Cl <sup>-</sup>
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
Parameter Combinations									

Parameter	Measuring Range <i>Accurate Results</i>	Reproducibility (CV%)	Measuring Range Urine	Reproducibility (CV%)
Na <sup>+</sup>	20.0 - 200.0 mmol/L	< 1.0%	25 - 1000 mmol/L	< 5.0%
K <sup>+</sup>	0.2 - 40.0 mmol/L	< 2.0%	1.0 - 500 mmol/L	< 5.0%
Cl <sup>-</sup>	25.0 - 200.0 mmol/L	< 1.0%	25 - 500 mmol/L	< 5.0%
iCa <sup>++</sup>	0.1 - 6.0 mmol/L	< 2.0%	50 - 1000 mmol/L	< 5.0%
Li <sup>+</sup>	0.2 - 5.0 mmol/L	< 2.0%	***	***
pH	6.5 - 8.0	± 0.03	***	***

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