

ST-100B

Electrolyte Analyzer



RELIABLE EASY TO USE
EASY TO AFFORD

Features

- ★ Compact, Economical and Easy to use
- ★ Excellent precision and reliability
- ★ Long life, maintenance-free electrodes
- ★ Automatic Calibration
- ★ Intelligent reagent pack with electronic chip
- ★ Extremely low cost per test

	Measuring Range	Reproducibility(CV%)
Na ⁺	20.0 - 250.0 mmol/L	< 1.0%
K ⁺	0.50 - 20.00 mmol/L	< 2.0%
Cl ⁻	20.0 - 200.0 mmol/L	< 2.0%
iCa ⁺⁺	0.1 - 50.0 mmol/L	< 2.0%
Li ⁺	0.2-5 mmol/L	<2.0%
pH	4 - 9	< 2.0%
HCO ₃ ⁻	6.00 - 50.00 mmol/L	<3mm

Specifications

1. Principle : Direct measurement with ion selective electrode (ISE).
2. Parameter conversion : This functionality allows quick change of analyte.
3. Sample : Whole blood, serum, plasma, CSF and diluted urine.
for diluted (1:5) urine 500 micro liter.
4. Sample Volume : 120 micro liter.
5. Measuring time : 65 sec.
6. Throughput : 55 Samples / Hour.
7. Data Storage : 1 lakh Sample, 25000 Urine, 100 QC.
8. Ambient conditions : Temperature: 5^oC - 40^oC , <85% non-condensing humidity.
9. Output : 128x64 graphics display with Y/N numeric keypad,
24 column thermal printer, USB port.
10. Input voltage : 100/115-VAC, 50-60 Hz or 220-VAC, 50-60 Hz, 0.75 amp.
11. Size & Weight : 15" W x 12" H x 7.0" D, 6 kg.
12. Battery : Optional for 10hrs backup.



Electrolyte Analyzer Models
[Electrode Parameters](#)

BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
K	K	K	K	K	K	K	K	K	K	K	K
Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
B	B	iCa	iCa	iCa	iCa	B	iCa	iCa	iCa	iCa	iCa
B	B	B	B	Li	pH	pH	Li	Li	Li	pH	pH
B	B	B	B	B	HCO ₃	HCO ₃	pH	pH	B	B	B
B	Cl	B	Cl	Cl	Cl	Cl	Cl	B	B	B	Cl