

ST-200 PLUS

Electrolyte Analyzer



RELIABLE EASY TO USE
EASY TO AFFORD



India's First Electrolyte Analyzer

Features

- ★ Compact, Economical and Easy to use
- ★ Excellent precision and reliability
- ★ Long life, maintenance-free electrodes
- ★ Automatic sampling, probe wiping and calibration
- ★ Intelligent reagent pack with electronic chip
- ★ Optional battery backup.
- ★ Extremely low cost per test

Parameter	Measuring Range Blood	Reproducibility (CV%)	Measuring Range Urine	Reproducibility (CV%)
Na ⁺	20.0 - 250.0 mmol/L	< 1.0%	25.0-1000.0 mmol/L	< 5.0%
K ⁺	0.20 - 40.0 mmol/L	< 2.0%	1.0-500.0 mmol/L	< 5.0%
Cl ⁻	25.0 - 200.0 mmol/L	< 1.0%	25.0-500.0 mmol/L	< 5.0%
iCa ⁺⁺	1.0 - 20.0 mg/dL	< 2.0%	***	***
Li	0.2-5 mmol/L	<2.0%	***	***
pH	6-8	<2.0%	***	***

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 : 60 sec.
6. Throughput : 55 Samples / Hour .
7. Data Storage : 1 Lakh Sample, 25000 Urine, 100 QC.
8. Ambient conditions : Temperature: 5°C - 40°C , <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
K	K	K	K	K	K	K	K
Na	Na	Na	Na	Na	Na	Na	Na
B	B	iCa	iCa	iCa	iCa	iCa	iCa
B	B	B	B	Li	B	Li	pH
B	Cl	B	Cl	B	pH	pH	Cl
1	2	3	4	5	6	7	8

Note: Please Arrange The Electrodes As Per The Parameter Selection

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