

# ST-200 aQua

Electrolyte Analyzer



Sensa Core's ST-200 aQua Electrolyte Analyzer is completely automated, microprocessor controlled electrolyte system that uses current ISE technology to make electrolyte measurements. The ST-200 aQua product measures various combinations of Sodium, Potassium, Ionized Calcium, Lithium, pH and Chloride in whole blood, serum, plasma, CSF, body fluids and urine.

- + Measuring Time 50 Seconds
- + 1000 Sample per Pack
- + Alphanumeric Key Input
- + Minimal Sample Volume (100 $\mu$ L)
- + Long Life, Maintenance free Electrodes

SENSA-CORE<sup>®</sup>

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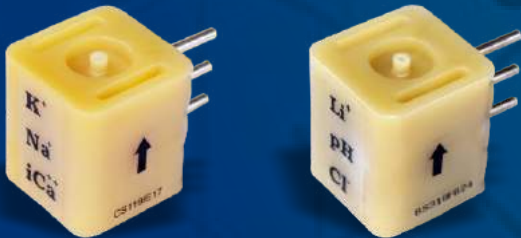
## Features

- Compact, Economical and easy to use.
- Excellent precision and reliability.
- Long life, maintenance-free electrode blocks.
- Dispense 100µL sample and acquire 6 different Critical Care results. (Na, K, iCa, pH, Cl & Li)
- 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.
- Optional battery backup & much more.

Parameter	Measuring Range Blood	Reproducibility (CV%)	Measuring Range Urine	Reproducibility (CV%)
Na <sup>+</sup>	20.0 - 250.0 mmol/L	< 1.0%	25.0 - 1000.0 mmol/L	< 5.0%
K <sup>+</sup>	0.20 - 40.0 mmol/L	< 2.0%	1.0 - 500.0 mmol/L	< 5.0%
Cl <sup>-</sup>	25.0 - 200.0 mmol/L	< 1.0%	25.0 - 500.0 mmol/L	< 5.0%
iCa <sup>++</sup>	1.0 - 20.0 mg/dL	< 2.0%	***	***
Li <sup>+</sup>	0.2 - 5 mmol/L	< 2.0%	***	***
pH	6 - 8	± 0.03	***	***

## Specifications

1. Principle : Direct measurement with ion selective electrode (ISE).
2. Parameters : This functionality allows the change of analytes.
3. Sample Type : Whole blood, serum, plasma, CSF and diluted urine.
4. Sample volume : 100µL.
5. Reading time : 50 seconds
6. Speed : 60 samples / hour.
7. Storage : 1000 Samples, 250 Urine, 100 QC
8. Conditioning : Temperature: 5 °C – 40 °C, <85% moisture.
9. Output : 128 x 64 graphics display with numeric keypad, USB port.
10. Print : 2 inch 24 column thermal printer.
11. Input voltage : 100/115-V AC, 50-60 Hz (or) 220V AC, 50-60 Hz, 0.75 amp.
12. Dimensions : 14.6" W x 12.4" H x 9.6" D, Weight: 4.3 kg.
13. Battery : Optional support for 10 hours.



Easy to Operate



Minimal Maintenance



Accurate Results



Economical

SENSA CORE<sup>®</sup>

Manufactured by :

**Sensa Core Medical Instrumentation Pvt. Ltd.**

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