

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 / Aqueous solution and urine.

- + Measuring Time 50 Seconds
- + 10000 Sample per Pack
- + Alphanumeric Keypad
- + Minimal Sample Volume (100µL)
- + Long Life, Maintenance free Electrodes

SENSA  **CORE**[®]

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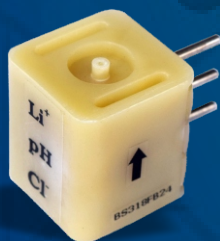
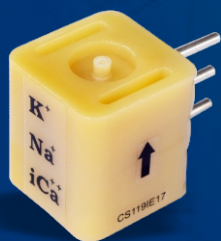
Features

- 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, Li & Cl)
- 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.
- Self-probe wiping facility with 3 different aspiration modes (sample tube, sample syringe & capillary).

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	4 - 9	± 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 / Aqueous solution and urine.
4. Sample volume : 100μL.
5. Reading time : 50 seconds
6. Speed : 60 samples / hour.
7. Storage : 10000 Samples, 250 Urine, 100 QC
8. Conditioning : Temperature: 5 °C – 45 °C, <85% moisture.
9. Output : 128 x 64 graphics display with Alphanumeric keypad, USB Serial Port / RS-232 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[®]

Manufactured by :

Sensa Core Medical Instrumentation Pvt. Ltd.

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