

# ST-200CL

## Electrolyte Analyzer



RELIABLE  
EASY TO USE  
EASY TO AFFORD

SENSA  CORE  
Healthcare and Diagnostic Products

## 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
- ★ High precision pump with more durable tubing
- ★ Standby mode (economy mode)

| 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                | 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 400 micro liter.
4. Sample Volume : 110 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.



### Electrolyte Analyzer Models

#### Electrode Parameters

|    |    |     |     |     |     |     |     |     |
|----|----|-----|-----|-----|-----|-----|-----|-----|
| BD | BD | BD  | BD  | BD  | BD  | BD  | BD  | BD  |
| K  | K  | K   | K   | K   | K   | K   | K   | K   |
| Na | Na | Na  | Na  | Na  | Na  | Na  | Na  | Na  |
| B  | B  | iCa | iCa | iCa | iCa | iCa | iCa | iCa |
| B  | B  | B   | B   | Li  | B   | Li  | pH  | pH  |
| B  | Cl | B   | Cl  | B   | pH  | pH  | Cl  | Cl  |
| 1  | 2  | 3   | 4   | 5   | 6   | 7   | 8   |     |

Note: Please Arrange The Electrodes As Per The Parameter Selection

8 Parameters for 5 Channels Analyzer

### Electrolyte Analyzer Models

#### Electrode Parameters

|    |    |     |     |     |     |     |     |     |     |
|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| BD | BD | BD  | BD  | BD  | BD  | BD  | BD  | BD  | BD  |
| K  | K  | K   | K   | K   | K   | K   | K   | K   | K   |
| Na | Na | Na  | Na  | Na  | Na  | Na  | Na  | Na  | Na  |
| B  | B  | iCa | iCa | iCa | iCa | iCa | iCa | iCa | iCa |
| B  | B  | B   | B   | Li  | pH  | Li  | pH  | Li  | Li  |
| B  | B  | B   | B   | B   | pH  | B   | B   | pH  | pH  |
| B  | Cl | B   | Cl  | B   | B   | B   | Cl  | Cl  | Cl  |
| 1  | 2  | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  |

Note: Please Arrange The Electrodes As Per The Parameter Selection

10 Parameters for 6 Channels Analyzer