

# ST-200CL<sup>®</sup>

## Electrolyte Analyzer



RELIABLE  
**E**ASY TO USE  
EASY TO AFFORD

SENSA  CORE<sup>®</sup>

## Features

- ★ Compact, Economical and Easy to use in laboratories
- ★ 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

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>	20.0 - 200.0 mmol/L	< 1.0%	25.0 - 500.0 mmol/L	< 5.0%
iCa <sup>++</sup>	0 - 10.0 mmol/L	< 2.0%	***	***
Li	0 - 10.0 mmol/L	< 2.0%	***	***
pH	5 - 8	<2.0%	***	***

## Specifications

- Principle : Direct measurement with ion selective electrode (ISE).
- Parameter conversion : This functionality allows quick change of analyte, which enhances laboratory performance.
- Sample : Whole blood, serum, plasma, CSF and diluted urine. for diluted (1:5) urine 500 micro liter.
- Sample Volume : 140 micro liter.
- Measuring time : 60 sec.
- Throughput : 55 Samples / Hour .
- Data Storage : 1 lakh Sample, 25000 Urine, 100 QC.
- Ambient conditions : Temperature: 5°C - 40°C , <85% non-condensing humidity.
- Output : 128x64 graphics display with Y/N numeric keypad, 24 column thermal printer, Serial USB port.
- Input voltage : 100/115-VAC, 50-60 Hz or 220-VAC, 50-60 Hz, 0.75 amp.
- Size & Weight : 15.1'' W x 13.2'' H x 7.5'' D, 4 kg.
- Battery : Optional for 6 hours 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

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	B	pH
B	Cl	B	Cl	B	B	Cl	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