

ST-200CC[®]

Ultra Smart



ABGEM Blood Gas Analyzer



Analyzer's Advantages

-  Minimal Maintenance
-  Easy to Operate
-  Economical
-  Accurate Results

SENSA[®]CORE

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SENSA[®]CORE

- Aspirate 1 sample and acquire 27 different results.

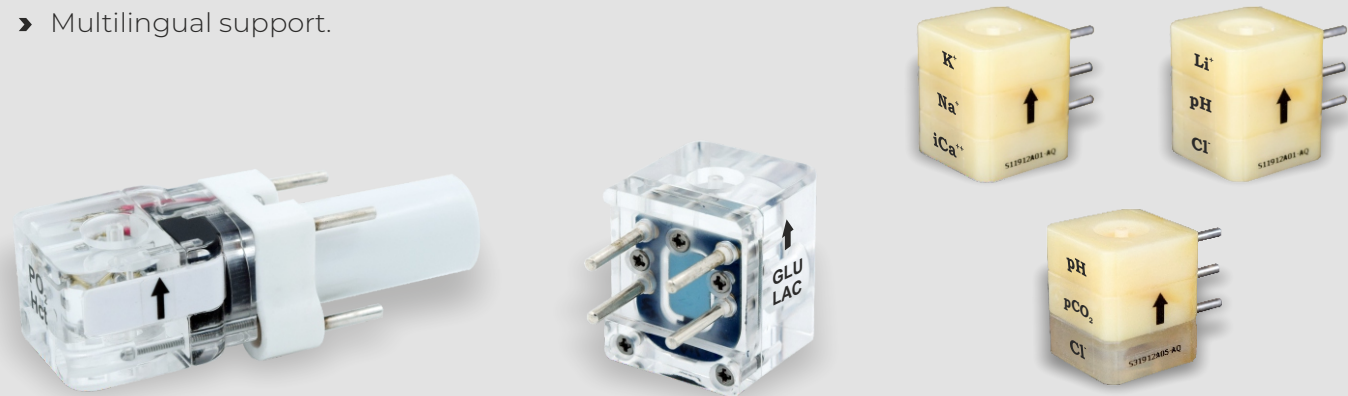
Blood gas : pH, pCO₂, pO₂, Hct.

Electrolytes : Na, K, iCa, Li, pH, Cl.

Metabolites : GLU, LAC.

Calculated Parameters : Hb, HCO₃, BE, BE-B, BE-ECF, TCO₂, AG, AG(K), O₂ Sat, O₂ Ct, SBC, nCa, TCa, pO₂%, A, AaDO₂ , a/A.

- Levey-Jennings chart for NABL and seamless integration to LIS (Lab information system).
- Numeric & alpha numeric input option with 15 digit operator and patient ID.
- Self probe wiping facility with 3 different aspiration modes (sample tube, sample syringe & capillary).
- The result can be recalled by Date, Patient ID, Patient name, by parameters etc.
- External mouse & keypad interfacing option.
- 10 inch high definition LCD with capacitive touch screen.
- Single Reagent pack for all 16 combinations.
- Integrated Parameter conversion functionality.
- Single touch calibration for new reagent pack.
- Maximum 1,00,000 sample storage capacity.
- Optional battery backup & much more.
- Internal barcode scanner.
- Excellent precision and reliability.
- USB output port. (USB 2.0)
- Extremely low cost per test.
- Multilingual support.



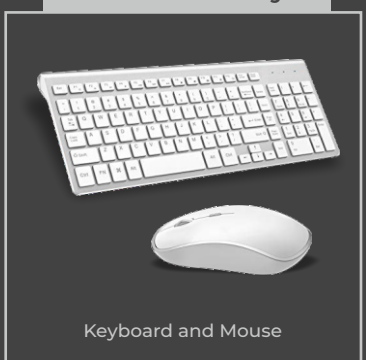


Specifications

Internal Barcode Scanner



External Interfacing



Keyboard and Mouse

Principle

:

Direct measurement with ion selective electrode (ISE), Impedence (Hct) and Amperometry (pO₂, GLU, LAC).

Reading time

:

60 seconds.

Parameters

:

This functionality allows the change of analytes.

Sample Type

:

Whole blood, serum, plasma, CSF and diluted urine.

Conditioning

:

Temperature: 10°C - 30°C, <85% moisture.

Display

:

10 inch high definition LCD with capacitive touch.

Print

:

2 inch 24 column thermal printer.

Input voltage

:

100/115-V AC, 50-60 Hz (or) 220V AC, 50-60 Hz, 0.75 amp.

Dimensions

:

12.8" W x 17.3" H x 10.6" D, Weight: 7.55 kg.

OS

:

Android.

Analysis Speed

:

60 Seconds.

Sample volume

:

100µL (Capillary/Micro Mode).

Battery

:

Optional support for 4 hours.

Storage

:

1,00,000

ABGEM	ABGM	ABGE	ABG	ELECTROLYTE												Parameter	Blood Measuring Range	Urine Measuring Range
BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	Na+	20.0 - 250.0 mmol/L	25.0 - 1000.0 mmol/L
K	K	K	B	K	K	K	K	K	K	K	K	K	K	K	K	K+	0.20 - 40.0 mmol/L	1.0 - 500.0 mmol/L
Na	Na	Na	B	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Cl-	25.0 - 200.0 mmol/L	25.0 - 500.0 mmol/L
iCa	iCa	iCa	B	B	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa	B	B	iCa++	1.0 - 20.0 mg/dL	-----
pH	pH	pH	pH	pH	pH	Li	Li	B	Li	B	Li	B	B	B	B	Li+	0.2 - 5.0 mmol/L	-----
pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pH	B	pH	pH	pH	B	B	B	B	B	pH	5 - 9	-----
Cl	Cl	Cl	B	Cl	Cl	Cl	Cl	Cl	Cl	B	B	B	Cl	B	B	pO ₂	10 - 750 mmHg	-----
pO ₂	pO ₂	pO ₂	pO ₂	OB	OB	OB	OB	OB	OB	OB	OB	OB	OB	OB	OB	pCO ₂	5 - 120 mmHg	-----
Hct	Hct	Hct	Hct	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	TCO ₂	5 - 50 mmol/L	-----
GLU	LAC	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	GLB	Hct	10 - 70 %	-----
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	HCO ₃ ⁻	5 - 50 mmol/L	-----
Parameter Combinations																GLU	20 - 800 mg/dL	-----
																LAC	0.1 - 24 mmol/L	-----