

SENSA CORE
Healthcare and Diagnostic Products

ST-200CC® *Ultra Smart*

ABGEM Blood Gas Analyzer



RELIABL
E ASY TO USE
E ASY TO AFFORD



India's First Arterial Blood Gas Analyzer

ABGEM	ABGM	ABGE	ABC	ELECTROLYTE												
BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
pO ₂ Hct	pO ₂ Hct	pO ₂ Hct	pO ₂ Hct	B	B	B	B	B	B	B	B	B	B	B	B	B
K	K	K	B	K	K	K	K	K	K	K	K	K	K	K	K	K
Na	Na	Na	B	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
iCa	iCa	iCa	B	B	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa	iCa	B	B	B
pH	pH	pH	pH	pH	pH	Li	Li	pH	Li	pH	Li	B	B	B	B	B
pCO ₂	pCO ₂	pCO ₂	pCO ₂	HCO ₃	HCO ₃	pH	B	pH	B	B	B	B	B	B	B	B
Cl	Cl	Cl	Cl	Cl	Cl	Cl	Cl	B	B	B	B	Cl	B	Cl	B	B
GLU LAC	LAC	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
1	2															

Parameter Combinations

Parameter	Measuring Range Blood	Measuring Range Urine
Na+	20.0 - 250.0 mmol/L	25.0 - 1000.0 mmol/L
K+	0.20 - 40.0 mmol/L	1.0 - 500.0 mmol/L
Cl-	25.0 - 200.0 mmol/L	25.0 - 500.0 mmol/L
iCa++	1.0 - 20.0 mg/dL	***
Li+	0.2 - 5.0 mmol/L	***
pH	5 - 9	***
pO ₂	10 - 750 mmHg	***
pCO ₂	5 - 120 mmHg	***
TCO ₂	5 - 50 mmol/L	***
Hct	10 - 70 %	***
HCO ₃	5 - 50 mmol/L	***
GLU	20 - 800 mg/dL	***
LAC	0.1 - 24 mmol/L	***



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Dealer / Distributor :

Features

- 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 10,000 sample storage capacity.
- Optional battery backup & much more.
- Internal barcode scanner.
- Excellent precision and reliability.
- Two USB output ports. (USB 2.0)
- Extremely low cost per test.
- Multilingual support.



Specifications

Principle	: Direct measurement with ion selective electrode (ISE), Impedance (Hct) and Amperometry (pO ₂ , GLU, LAC).
Reading time	: 90 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. (WiFi enabled application up-gradable)
Speed	: 54 samples / hour.
Sample volume	: 180µL.
Battery	: Optional support for 4 hours.
Storage	: 10,000



Internal Barcode Scanner



External Interfacing



Keyboard

Analyzer's Advantages



Minimal Maintenance



Easy to Operate



Economical



Accurate Results