

SENSA CORE[®]

Blood Gas Analyzer ST-200SC

Sensa Core offers a wide range of blood gas analyzers that are highly advanced with power pack features that are exclusively designed to meet the requirements of modern laboratories efficiently and effectively.

*Advancedly organized for fast
and reliable blood gas testing*

Specifications

Principle	: Direct measurement with ion selective electrode-ISE (Electrolytes), Impedance (Hct) and Amperometry (pO ₂ , Glu, Lac) using thick film technology.
Reading time	: ≈ 120 seconds.
Parameters	: This functionality allows the change of analytes.
Sample Type	: Whole Blood, Serum, Plasma, Diluted Urine and QC.
Conditioning	: Storage 5°C to 40°C (41°F to 104°F) and relative humidity 10-90% Operating 15°C to 35°C (59°F to 95°F) and relative humidity 10-90%
Display	: 10 inch high definition LCD with capacitive touch.
Print	: 3 inch thermal printer.
Input voltage	: 100-240V AC, 50/60Hz, 1.4A
Size & Weight	: 8.7" W x 16.6" H x 14.6" D, Weight: 6.9 Kg (without pack).
OS	: Android.
Throughput	: ≈ 30 Samples / Hour
Sample volume	: ≈ 100µL (Capillary/Micro Mode), ≈ 180µL (Whole Blood, Serum, Plasma, QC), ≈ 500µL (Diluted Urine).
Battery	: Optional (2 hours in standby mode).
Storage	: 1,00,000 Samples.



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Analyzer's Advantages

-  Thick Film Technology
-  Minimal Maintenance
-  Economical
-  Easy to Operate
-  Accurate Results

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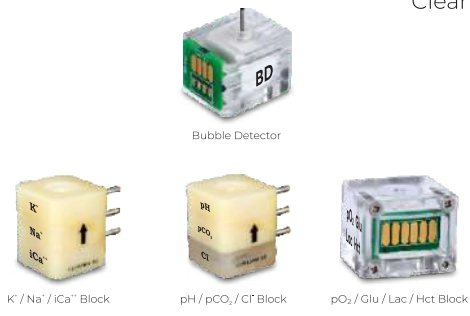
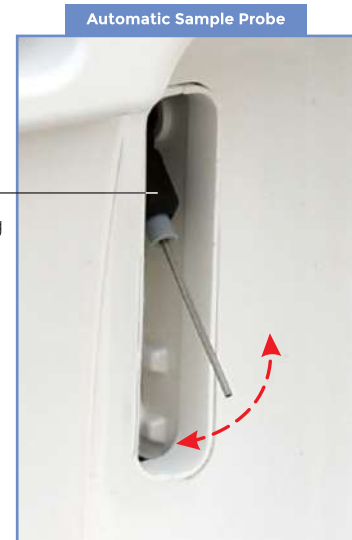
Features

- Aspirate 1 sample and acquire 28 different results.
Blood gas : pH, pCO₂, pO₂.
Metabolites : Glu, Lac.
Hematocrit : Hct.
Electrolytes : Na⁺, K⁺, iCa⁺⁺, pH, Cl⁻.
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, mOsm.
- Thick film technology for Glu, Lac, pO₂, Hct parameters.
- Room temperature stable electrodes and reagents (no refrigeration needed while shipping and storage).
- Automatic sample probe with syringe / tube & capillary positions depending on sample type selection.
- Levey-Jennings chart for NABL and seamless integration to LIS (Lab information system).
- Numeric & alpha numeric input option with 15 digits Patient ID & Patient Name.
- Self probe wiping facility with 3 different aspiration modes (sample tube, sample syringe & capillary).
- The results can be recalled by Sample List, Date, Patient ID, Patient Name & Department.
- Unlimited User Accounts and Login facility by their unique User ID & Password.
- External mouse, keyboard & barcode scanner interfacing option.
- Reagent consumption & sample count monitoring facility.
- 10 inch high definition LCD with capacitive touch screen.
- Single Reagent pack for all 12 parameter combinations.
- Maximum 1,00,000 samples data storage capacity.
- Reference ranges with Results on display and print.
- One touch calibration for new reagent pack.
- Integrated parameter conversion functionality.
- Two USB(2.0) & One RS232 output ports.
- Default and Alternate units of measurement.
- Used for near patient testing use only.
- Excellent precision and reliability.
- Extremely low cost per test.
- Automatic Calibration.
- Optional battery backup.
- Multilingual support.
- No Maintenance
- Plug and Play

BLOOD MEASUREMENT RANGE			
Type	Parameter	Units	Range of indication
Blood Gas	pH		6.5 - 8.0
	pCO ₂	mmHg	5 - 250
		kPa	0.7 - 33.3
pO ₂	mmHg	5 - 750	
	kPa	0.7 - 100	
Hematocrit	Hct	%	10 - 75
		L/L	0.10 - 0.75
Metabolites	Glu	mg/dL	20 - 700
		mmol/L	1.1 - 38.9
	Lac	mmol/L	0.30 - 20.00
Electrolytes	Na ⁺	mEq/L	2.70 - 180.2
		mmol/L, mEq/L	20 - 200
	K ⁺	mEq/L	0.2 - 4.0
		mmol/L, mEq/L	25 - 200
iCa ⁺⁺	mmol/L	0.1 - 6.0	
	mEq/L	0.2 - 12.0	
		mg/dL	0.4 - 24.0

URINE MEASUREMENT RANGE			
Type	Parameter	Units	Range of indication
Electrolytes	Na ⁺	mmol/L	25 - 1000
	K ⁺	mmol/L	1.0 - 500
	Cl ⁻	mmol/L	25 - 500

PARAMETER COMBINATIONS											
ABGM				ELECTROLYTE							
BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD	BD
pO ₂	pO ₂	pO ₂	pO ₂	OGlH	OGlH	OGlH	OGlH	OGlH	OGlH	OGlH	OGlH
Glu	B	B	B	B	B	B	B	B	B	B	B
Lac	B	B	B	B	B	B	B	B	B	B	B
Hct	Hct	Hct	Hct	B	B	B	B	B	B	B	B
K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺	K ⁺
Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺	Na ⁺
iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺	iCa ⁺⁺
pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH	pH
pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂	pCO ₂
Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻	Cl ⁻
1	2	3	4	5	6	7	8	9	10	11	12



Di Distribusikan oleh:
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