

Portable Blood Gas and Chemistry Analyzer GA1200

Features:

- ①. Versatile Sample Compatibility:
Single-use cartridge designed for varied sample loads.
- ②. Streamlined Workflow:
All-in-one design with unified consumables for minimal handling.
- ③. Customizable Testing Panels:
Multiple panel combinations to meet diverse diagnostic needs.
- ④. Intelligent Diagnostics:
Six-step smart analysis ensures accurate, automated result interpretation.



Parameters:

Model	GA1200
Throughput	Results in 60 seconds after sample aspiration
Sample Volume	Sample consumption volume less than 100µL, minimum 60µL
Display	9.7 inches display
Battery	Built-in lithium battery supports 8.5-hour standby or 80 continuous tests
Barcode Scanning	Built-in barcode scanning module, external barcode scanner also supported
Interface	4 USB ports, 1 Ethernet port
Storage Capacity	100,000 tests
Communication Link	Bidirectional connectivity with data management systems such as LIS/HIS
Printer	Built-in thermal printer, supports external printer connection
Operation Environment	10~31°C
Power Supply	AC100~240V, 50/60Hz
Product Size(W*D*H)	267*250*83mm
Net Weight	3kg
Packing Size(W*D*H)	420*410*270mm
Gross Weight	5kg

Test Menu:

Parameter	Measuring Range	Unit
pH	6.5-8.0	-
pCO ₂	5-130	mmHg
pO ₂	10-700	mmHg
Na ⁺	100-180	mmol/L
K ⁺	1.5-9.0	mmol/L
Ca ²⁺	0.25-2.5	mmol/L
Cl ⁻	65-160	mmol/L
Glu	1.1-39	mmol/L
Lac	0.3-20.0	mmol/L
Hct	10-75	%PCV
BUN	3-140	mg/dL
Crea	0.2-20.0	mg/dL

31 calculated parameters: cH⁺, cH⁺ (T), pH(T), pCO₂(T), pO₂(T), HCO₃⁻act, HCO₃⁻std, BB(B), BE(B), BE(ecf), ctCO₂, Ca⁺⁺(7.4), sO₂(est), AnGap, tHb(est), pO₂(A-a), pO₂(A-a) (T), pO₂(a/A), pO₂(a/A) (T), RI, RI (T), pO₂/FIO₂, pO₂(T)/FIO₂, PAO₂, pO₂(A,T), CaO₂, ctCO₂(P), pH(st), mOsm, BUN/Cr, GFR

Cartridge Specification:

NO.	Cartridge Model	Test Items	Specification
1	GA-3	pH, pCO ₂ , pO ₂	25 tests/kit
2	GA-4L	pH, pCO ₂ , pO ₂ , Lac	
3	GA-4H	PH,pO ₂ ,pCO ₂ ,Hct	
4	GA-4E	Na ⁺ ,K ⁺ ,Ca ²⁺ ,Cl ⁻	
5	GA-5	PH,pO ₂ ,pCO ₂ ,Hct,Lac	
6	GA-6	PH,pO ₂ ,pCO ₂ ,Hct,Lac,Glu	
7	GA-6E	pH,Hct,Na ⁺ ,K ⁺ ,Ca ²⁺ ,Cl ⁻	
8	GA-8	pH,pO ₂ ,pCO ₂ ,Hct,Na ⁺ , K ⁺ ,Ca ²⁺ ,Cl ⁻	
9	GA-9	pH,pO ₂ ,pCO ₂ ,Hct,Na ⁺ , K ⁺ ,Ca ²⁺ ,Cl ⁻ ,Lac	
10	GA-10	pH,pO ₂ ,pCO ₂ ,Hct,Na ⁺ ,K ⁺ ,Ca ²⁺ ,Cl ⁻ ,Lac,Glu	
11	GA-12	pH, pO ₂ , pCO ₂ , Hct, Na ⁺ , K ⁺ , Ca ²⁺ , Cl ⁻ , Lac, Glu, Crea, Bun	

Cartridge Specification

Storage	Storage at room temperature 15~25°C or 2~8°C
Shelf Life	Stored at room temp for 6 months, store at 2-8°C for 9-month shelf life
Consumables	No consumables except integrated all-in-one cartridge; no need for additional electrode, electrode membrane, or electrode card replacement