

Blood Gas and Chemistry Analyzer PT2000 Pro/PT2000 X5 Pro



Features:

- ①. Highly Automated, Walkaway Operation
Optional 5-channel autoloader: Minimal operation, streamlined workflow.
All-in-one Cartridge: Disposable after use.
Maintenance-free instrument: No wearable parts, zero daily upkeep.
- ②. China's First All-in-One Blood Gas Analyzer with CO-Oximetry
Comprehensive Testing: Over 20 parameters covering blood gases, electrolytes, hemoglobin derivatives, creatinine/BUN, and more.
Always Upgradable: New assays, same device.
- ③. Automatic Quality Control, Compliance Guaranteed
Integrated Auto LQC: One-click quality control reports meeting regulatory standards.

Parameters:

Model	PT2000 Pro/PT2000 X5 Pro
Throughput	Results in 60 seconds after sample aspiration
Sample Volume	Total parameter consumption≤140μL, minimum sample consumption 50μL
Display	12.1 inches display
Battery	Built-in lithium battery supports measurement of ≥20 samples to handle special situations such as sudden power outages without affecting onboard testing
Barcode Scanning	Built-in barcode scanning module, external barcode scanner also supported
Interface	4 USB ports, 1 Ethernet port, 1 RS232 serial port
Storage Capacity	150,000 tests
Communication Link	Bidirectional connectivity with data management systems such as LIS/HIS
Operation Environment	10~31°C
Power Supply	AC100~240V, 50/60Hz
Product Size(W*D*H)	326*320*505mm
Net Weight	17.8kg
Packing Size(W*D*H)	440*440*645mm
Gross Weight	20.3kg

Test Menu:

Parameter	Measuring Range	Unit
pH	6.500-8.000	-
pCO ₂	10.0-150.0	mmHg
pO ₂	10.0-700.0	mmHg
Na ⁺	90.0-190.0	mmol/L
K ⁺	1.00-19.00	mmol/L
Ca ₂ ⁺	0.250-4.250	mmol/L
Cl ⁻	40.0-160.0	mmol/L
Glu	0.2-38.9	mmol/L
Lac	0.3-20.0	mmol/L
Hct	10.0-75.0	%PCV
tHb	3.0-23.0	g/dL
O ₂ Hb	0.5-100.0	%
COHb	0.5-75.0	%
MetHb	0.7-30.0	%
HHb	1.0-100.0	%
tBili	0.2-40.0	mg/dL
sO ₂	0.5-100.0	%

40 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), p50(st), ctO₂(a-v), Qs/Qt, ctCO₂(P), pH(st), mOsm, pCO₂(gap), BEact, Lacclearance 1h, mOsmopt gap

Remarks: The model PT2000 Pro cannot test tHb, sO₂, COHb, MetHb, O₂Hb, HHb, tBil.

Cartridge Specification:

NO.	Cartridge Model	Test Items	Specification
1	PTII-3	pH, pCO ₂ , pO ₂	25 tests/kit, 60 tests/kit, 100 tests/kit, 200 tests/kit, 300 tests/kit, 400 tests/kit, 600 tests/kit
2	PTII-4L	pH, pCO ₂ , pO ₂ , Lac	
3	PTII-4H	pH, pCO ₂ , pO ₂ , Hct	
4	PTII-5	pH, pCO ₂ , pO ₂ , Lac, Hct	
5	PTII-6	PH, pO ₂ , pCO ₂ , Hct, Lac, Glu	
6	PTII-6E	pH, Na ⁺ , K ⁺ , Ca ₂ ⁺ , Cl ⁻ , Hct	
7	PTII-8	pH, pO ₂ , pCO ₂ , Hct, Na ⁺ , K ⁺ , Ca ₂ ⁺ , Cl ⁻	
8	PTII-9	pH, pO ₂ , pCO ₂ , Hct, Na ⁺ , K ⁺ , Ca ₂ ⁺ , Cl ⁻ , Lac	
9	PTII-10	pH, pO ₂ , pCO ₂ , Hct, Na ⁺ , K ⁺ , Ca ₂ ⁺ , Cl ⁻ , Lac, Glu	
10	PTII-12TY	pH, pO ₂ , pCO ₂ , Hct, Lac, Glu, tHb, O ₂ Hb, COHb, MetHb, HHb, sO ₂	
11	PTII-13	pH, pO ₂ , pCO ₂ , Hct, Lac, Glu, tHb, O ₂ Hb, COHb, MetHb, HHb, sO ₂ , tBili	
12	PTII-16	pH, pO ₂ , pCO ₂ , Hct, Na ⁺ , K ⁺ , Ca ₂ ⁺ , Cl ⁻ , Lac, Glu, tHb, O ₂ Hb, COHb, MetHb, HHb, sO ₂	
13	PTII-17	pH, pO ₂ , pCO ₂ , Hct, Na ⁺ , K ⁺ , Ca ₂ ⁺ , Cl ⁻ , Lac, Glu, tHb, O ₂ Hb, COHb, MetHb, HHb, tBili, sO ₂	

Cartridge Specification	
Storage	Storage at room temperature 15~25°C, protected from light and moisture
Shelf Life	Shelf life: 270 days; Onboard Shelf-life: 30 days(25/60/100/200/300/400/500T), 21 days(600T)
Consumables	No consumables except integrated cartridge; no need for additional electrode, electrode membrane, or electrode card replacement
Calibration	Automatic one-point and two-point calibration
Quality Control	Built-in quality control package supports automatic quality control and customizable settings; one-click generation of quality control charts or reports with automatic data processing