

Blood Gas Analyzer PT1000

Features:

- ①. All-in-one Cartridge
No fluidics in instrument, maintenance free
Self-contained calibration, cleaning solution and biohazard waste collection pack
Optimized cartridge design minimizes clot formation
- ②. High Efficiency
Revolutionary microsensors technology, 33 parameters in only 60 seconds
Automatic calibration and continuous system performance monitoring
Built-in printer, print results automatically after detection
- ③. Easy Operation
Touch-screen with intuitive prompts
Simple 4-step process, easy to use
Supports HL7 protocol for LIS/HIS
- ④. Ultimate Flexibility
Compact size for various units (ICU, ED, OR, etc.)
Convenient handle, easy to carry
Built-in battery, 6.5 hours back-up



PT1000 Type A



PT1000 Type B

Operation:

1. Choose items and click "Start" to take the test.
2. Auto aspirate the sample to be tested.
3. Scan or enter patient ID.
4. Wait for 60s and print test results.

Blood Gas, Electrolyte, Metabolite Control | Contents(2.5 ml per ampul):

QP123	A-1	Level 1, 30 ampuls
	A2	Level 2, 30 ampuls
	A-3	Level 3, 30 ampuls
	A-123	Level 1, 10 ampuls; Level 2, 10 ampuls; Level 3, 10 ampuls
	B-1	Level 1, 5 ampuls
	B-2	Level 2, 5 ampuls
	B-3	Level 3, 5 ampuls
	C-123	Level 1, 1 ampuls; Level 2, 1 ampuls; Level 3, 1 ampuls

Parameters:

Model	PT1000
Throughput	Results in 60 seconds after sample aspiration
Sample Volume	150µL
Display	10.4-inch color LCD touch screen display
Battery	Lithium-ion battery 14.4V/6500mAh
Barcode Scanner	Yes
Interface	4*USB 2.0 host, WLAN
Storage Capacity	100000+ tests
Communication Link	Supports HL7 protocol for LIS/HIS
Operation Environment	10~31°C
Power Supply	AC100~240V, 50/60Hz
Product Size(W*D*H)	Type A: 260*270*410mm; Type B: 370*270*410mm
Net Weight	Type A: 9.5kg; Type B: 11kg
Packing Size(W*D*H)	Type A: 395*345*660mm; Type B: 450*390*650mm
Gross Weight	Type A: 13.5kg; Type B: 15kg

Test Menu:

Parameter	Unit	Measuring Range	Precision (CV)
pH	-	6.8-8.0	SD≤0.02
pO ₂	mmHg	20-600	CV≤7.5%
pCO ₂	mmHg	15-130	SD≤2.5mmHg
Na ⁺	mmol/L	100-180	CV≤1.5%
K ⁺	mmol/L	2.0-9.0	SD≤0.25mmol/L
Ca ⁺⁺	mmol/L	0.25-2.5	SD≤0.15mmol/L
Cl ⁻	mmol/L	70-150	CV≤2.5%
Glu	mmol/L	1.1-27	CV≤5%
Lac	mmol/L	0.3-17	CV≤7.5%
Hct	%PCV	20%-70%	CV≤3%

Calculation Parameters (23 items)

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

Cartridge Specification

Category	Model	Analyze Items	Specification
Cartridges	PT3	pH, pCO ₂ , pO ₂	60 tests/kit 120 tests/kit 200 tests/kit 300 tests/kit 600 tests/kit
	PT4L	pH, pCO ₂ , pO ₂ , Lac	
	PT4H	pH, pCO ₂ , pO ₂ , Hct	
	PT5	pH, pCO ₂ , pO ₂ , Lac, Hct	
	PT6E	pH, Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , Hct	
	PT6	pH, pCO ₂ , pO ₂ , Glu, Lac, Hct	
	PT8	pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , Hct	
	PT9L	pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , Lac, Hct	
	PT9G	pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , Glu, Hct	
	PT10	pH, pCO ₂ , pO ₂ , Na ⁺ , K ⁺ , Ca ⁺⁺ , Cl ⁻ , Glu, Lac, Hct	
Storage Temperature	15~25°C		
Shelf Life	210 days		
Onboard Shelf Life	Type A: 21 days (60/120/200tests), 14 days (300tests); Type B: 32 days (60/120/200/300tests), 21 days (600tests)		
Sample Type	Arterial blood, venous blood, capillary blood, quality control		
Dimensions	Type A: 194*92*207mm; Type B: 304*92*203mm		
Net Weight	Type A: 2kg; Type B: 3.5kg		
Calibration	One-point calibration, two-point calibration		
Components	Calibration solution, rinse solution, sensors, sample probe and waste bag		