EDIAGNOSIS

CE

PT1000

Blood Gas Analyzer

All-in-one Cartridge

- No fluidics in instrument, maintenance free
- Self-contained calibration solution, rinse solution and waste bag
- Auto clot detection and elimination

Easy Operation

- Touch-screen with intuitive prompts
- Simple 4-step process, easy to use
- Supports HL7 protocol for LIS/HIS

High Efficiency

- Revolutionary microsensor technology, 33 parameters in only 60 seconds
- Automatic calibration and continuous system performance monitoring
- Built-in printer, print results automatically after detection

Ultimate Flexibility

- Compact size for various units (ICU, ED, OR, etc.)
- Convenient handle, easy to carry
- Built-in battery, 6.5 hours back-up



Wuhan EasyDiagnosis Biomedicine Co., Ltd.

Instrument Specification

Category	Specification
Throughput	Results in 60 Seconds after Sample Aspiration
Sample Volume	150μL
Operation Environment	10℃-31℃
Power Supply	AC 100 ~ 240V, 50Hz/60Hz
Dimensions & Net Weight	Type A: 260*270*410mm, 9.5Kg Type B: 370*270*410mm, 11kg
Display	10.4-inch color LCD touch screen display, resolution 1024*768
Battery	Lithium-ion battery 14.4v/6500mAh
Accessory	Barcode scanner
Interface	4*USB 2.0 host, WLAN
Storage Capacity	100000+ Tests
Communication Link	Supports HL7 protocol for LIS/HIS

Test Menu

Measurement Parameters (10 items)

Parameter	Unit	Reportable 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), $pCO_2(T)$, $pO_2(T)$, HCO_3-act, HCO_3-std, BB(B), BE(B), BE(ecf), $CtCO_2$, $Ca^{++}(7.4)$, sO_2(est), AnGap, tHb(est), pO_2(A-a), pO_2(A-a) (T), pO_2(a/A), pO_2(a/A) (T), RI, RI(T), pO_2/FIO_2, $pO_2(T)/FIO_2$

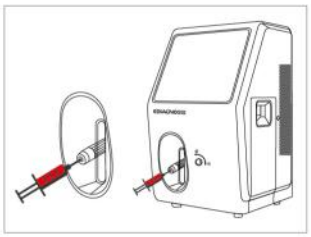
Cartridge Specification

Category	Model	Analyze Items	Spec.
Cartridges	PT3	pH, pCO_2, pO_2	60 tests/kit
	PT4L	pH, pCO_2, pO_2, Lac	120 tests/kit
	PT4H	pH, pCO_2, pO_2, Hct	200 tests/kit
	PT5	pH, pCO_2, pO_2, Lac, Hct	300 tests/kit
	PT6E	pH, Na^+, K^+, Ca^{++}, Cl^-, Hct	600 tests/kit
	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℃		
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		
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		

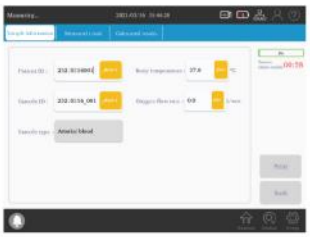
Operation



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.

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