

It's Easy and Always Will Be!

i500 Blood Gas and Chemistry Analysis System



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LAN/Wi-Fi connectivity



Build-in Printer and USB Storage



Blood gases test is an effective diagnostic tool that can help healthcare providers interpret conditions that affect patients' respiratory system, circulatory system, and metabolic processes, especially in emergency situations. With years' professional experience in this area, Edan's i500 blood gas analysis system, provides you all the benchtop features with small footprint, makes it an ideal product for point of care testing system.



Internal printer

10.1 inches color touch screen

Cartridge slot

Sample inlet with status indicators

Internal barcode scanner

Integrated battery

Calibrator pack chamber

Easy Management

- Only two consumables in a system and share the same on-board shelf life, relief users from complicated inventory work
- Both consumables support room-temperature storage reduces logistics cost
- Multi-parameters on one cartridge satisfied different customers' need flexibly

Easy Operation

- Integrated barcode scanner and speeds data entry and reduces errors
- 10.1-inches color touch screen with user-friendly software simplifies operation
- Auto-sampling minimizes hands on time and training requirement
- Result in 45s achieves earlier diagnosis and interventions
- Multi-use test cartridges (up to 600 tests in one) offers more economic choice for busy laboratories

Easy Installation

- Integrated battery supports up to 60 continuous tests
- Room-temperature storage consumable saves preparation time
- Integrated data transmits report to LIS/HIS/DMS synchronically
- Zero maintenance, portable, ready for use at any time



Benchtop Features but Zero Maintenance

- Integrated self-cleaning sample inlet in the calibrator, releases user from frequent maintenance
- Microfluidics combines with innovative multi-use microchip achieve accurate and reliable test result
- More than 30 parameters' result in one test determines patients' condition faster
- Room temperature storage with long shelf-life reduces warehouse cost



Variety of Test Cartridge

	pH	pCO ₂	pO ₂	Na	K	Cl	Ca	Hct	Glu	Lac
BM10/BM10-R	●	●	●	●	●	●	●	●	●	●
BM8/BM8-R	●	●	●	●	●	●	●	●	●	●
BM3/BM3-R	●	●	●	●	●	●	●	●	●	●

Calculated values: cH⁺, HCO₃⁻-act, HCO₃⁻-std, BE(ecf), BE(B), BB(B), ct CO₂, SO₂(est), Ca⁺⁺(7.4), AnGap, tHb(est), pO₂(A-a), pO₂(a/A), RI, pO₂/FIO₂, cH⁺(T), pH(T), pCO₂(T), pO₂(T), pO₂(A-a)(T), pO₂(a/A)(T), RI(T), pO₂(T)/FIO₂, mOsm

Performance

Parameter	Linearity	Measurement Method
pH (pH units)	6.75-7.85	Potentiometric sensor
pO2 (mmHg)	6-690	Amperometric sensor
pCO2 (mmHg)	6-125	Potentiometric sensor
Na (mmol/L)	95-190	Potentiometric sensor
K (mmol/L)	1.0-19.0	Potentiometric sensor
Ca (mmol/L)	0.11-4.25	Potentiometric sensor
Cl (mmol/L)	70-160	Potentiometric sensor
Glu (mmol/L)	0.5-47.0	Amperometric sensor
Lac (mmol/L)	0.3-31.0	Amperometric sensor
Hct	15-72	Conductance sensor

Specification

Throughput	Results in 45 seconds after sample aspiration
Sample Volume	63ul
Display	10.1 inches, Color TFT, 1280*800
Power Supply	AC 100V-240V
Battery	5000mAh
Dimensions (L*W*H)	305*245*405mm
Weight	9.1kg (include battery)
Operation Environment	10°C-31°C; %RH: 25%-80%; 57.0kPa-106.6kPa



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ENG-POCT-I500
V1.1-20240703