



Indicator

BLOOD GAS AND CHEMISTRY ANALYZER



The Indicator is a brand new POCT device, offering a new way of blood gas and chemistry analysis. The Indicator is portable, easy to use and performs a flexible panel test from a single disposable cartridge. The features on the Indicator allows you to more quickly and effectively monitor and manage your patients.

FEATURES:

- Compact and light weight with build-in rechargeable battery
- 3-step operation procedure to increase efficiency
- Complete maintenance free
- Auto sample aspiration and calibration to ensure accuracy and reliability
- Seamless integration with LIS/HIS through wired and wireless networking
- 10,000 patient data storage and USB data transfer
- Friendly user interface with color LCD touch screen and . traffic light indicator
- Build-in multimedia tutorials
- Flexible tests combination on single cartridge
- Long cartridge storage life at room temperature,
- Ready to use at any time



Portable and lightweight



Touch screen with built-in multimedia tutorials

Lan/Wi-Fi connectivity Build-in Printer and USB Storage



Portable, lightweight

- Capable to run 50 samples with fully-charged battery
- Diagnose at the point of care, patient side, out in the field or exam room

Easy, Quick and Convenient

- Zero maintenance
- Minimize hands on time and training requirement
- Auto-sampling
- Report is ready within one minute after sample aspiration

Accurate and Reliable

- Innovative microchip liquid control technology and micro-sensor multifunction membrane technology
- High sensitivity and accuracy
- Calibrator, Control and Electronic simulator to TRIPLE guarantee the RESULTS!

Flexible Data Management

- Acquire patients' information via barcode/QR code
- Up to 10,000 patient data storage
- 4 USB ports and LAN/WiFi for data management
- Optional data management software

Multi-parameter cartridge

- Multi popular time-sensitive parameters come in one cartridge, including ABG, electrolytes and metabolites
- Single-use cartridge avoids contamination
- Room temperature storage with long shelf-life



Indicator Quality Control System



Parameter	Reportable Range	Resolution	Measurement Method
pH (pH units)	6.5 - 8.20	0.001	Potentiometric sensor
pO ₂ (mmHg)	10 - 700	0.1	Amperometric sensor
pCO ₂ (mmHg)	10 - 150	0.1	Potentiometric sensor
Na (mmol/L)	100 - 180	0.1	Potentiometric sensor
K (mmol/L)	2.0 - 9.0	0.01	Potentiometric sensor
Ca (mmol/L)	0.25 - 2.5	0.01	Potentiometric sensor
Cl (mmol/L)	65 - 140	0.1	Potentiometric sensor
Glu (mg/dl or mmol/L)	20 - 700\1.1 - 38.9	1\0.0	Amperometric sensor
Lac (mg/dl or mmol/L)	0.3 - 20\2.7 - 180.2	0.01\0.1	Amperometric sensor
Hct (%PCV or Fraction)	10 - 75 0.10 - 0.75	1%0.01	Conductance sensor

Variety of Test Cartridges

	pH	pCO ₂	pO ₂	Na	K	Cl	Ca	Hct	Glu	Lac
BG3	—	—	—							
BG8	—	—	—	—	—	—	—	—		
BG4	—	—	—						—	
BG9	—	—	—	—	—	—	—	—	—	
BG10	—	—	—	—	—	—	—	—	—	—
BC4				—	—	—	—	—		

Calculated values: cH⁺, HCO₃-act, HCO₃-std, BE(ecf), BE(B), BB(B), ctCO₂, sO₂(est), Ca⁺⁺(7.4), AnGap, tHb(est), 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

Future menu in development: BUN/Urea & Creatinine, Coagulation test (ACT, APTT, PT), Immunoassay panels

Specification

Throughput	Results in 1 minute after sample aspiration
Sample volume	110uL
Quality control	3 or 5 levels QC. External electronic simulator
Display	7-inch color LCD Display, 800' 480
Interface	4 x USB 2.0 host, 1 x RS232, WLAN
Input device	Touch screen and barcode scanner
Power supply	100~240VAC, 50/60Hz
Battery	4200mAh rechargeable lithium-ion battery, 50 samples continuous testing
Dimensions (W'H'D)	238*153*310 mm
Weight	3.65 KG
Operation Environment	10 C-31 C; %RH: 25%-80%; 700 - 1066 KPa