i15

Blood Gas and Chemistry Analyzer

Parameter	Reportable Range	Resolution	Measurement method
pH (pH units)	6.5 – 8.0	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	1/0.1	Amperometric sensor
Lac (mg/dL or mmol/L)	2.7 – 180.2/0.3 -20	0.1/0.01	Amperometric sensor
Hct (%PCV or Fraction)	10 – 75 /0.10 – 0.75	1%/0.01	Conductance sensor

Specification

Throughput	Results in 1 minute after sample aspiration
Sample volume	140µl / 80µl
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	5000mAh rechargeable lithium-ion battery, 50 samples continuous testing
Dimensions (W*H*D)	238*153*310 mm
Weight	3.65 KG
Operation Environment	10 ℃-31 ℃; %RH: 25%-80%; 70 -106.6 KPa

About Edan

Edan is a healthcare company dedicated to improving the human condition around the world by delivering value-driven, innovative and high-quality medical products and services. For over 20 years, Edan has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including:

- Diagnostic ECG
- Patient Monitoring
- OB/GYN
- Ultrasound Imaging
- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.

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EDAN
A world of potential

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Blood Gas and Chemistry Analyzer

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LAN/Wi-Fi connectivity

Build-in Printer and USB Storage

i15 Video

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

Portable and lightweight

Touch screen with built-in multimedia tutorials

Steps to operate:

i15 Quality Control System

Triple Guarantee the Result

Variety of test Cartridges

	pH	pCO_2	pO_2	Na	K	Cl	Ca	Hct	Glu	Lac
Microsample BG3/BG3	—	—	—							
Microsample BG8/BG8	—	—	—	—	—	—	—	—		
Microsample BG4/BG4	—	—	—							—
Microsample BG9/BG9	—	—	—	—	—	—	—	—	—	
Microsample BG10/BG10	—	—	—	—	—	—	—	—	—	—
Microsample BC4/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), 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