



# i15

Blood Gas and  
Chemistry Analyzer



# EDAN

A world of potential

Parameter	Reportable Range	Resolution	Measurement method
pH (pH units)	6.5 - 7.8	0.001	Potentiometric sensor
pO <sub>2</sub> (mmHg)	10 - 700	0.1	Amperometric sensor
pCO <sub>2</sub> (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
Quality control	3 or 5 levels QC, External electronics 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 °C-31 °C; %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.

### Imported & Marketed By:



**Alps Diagnostics Pvt Ltd**  
Value For Lives...

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Ph : 044 2363 2474 / Cell : 9445391935  
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# i15

Blood Gas and Chemistry Analyzer

LAN/Wi-Fi connectivity



Build-in Printer and USB Storage



i15 trailer

**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



**i15 Quality Control System**

Triple Guarantee the Result



**Variety of test Cartridges**

	pH	pCO <sub>2</sub>	pO <sub>2</sub>	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), 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