

## Specification

### Sample:

Whole blood, Serum, Plasma, Dialysate, CSF

### Model name :

YJ-BG80

### Measured Parameters:

Analyte	Measuring range	Unit
Hydrogen ion activity(pH)	6.000—9.000	pH scale
Carbon dioxide partial pressure(pCO <sub>2</sub> )	0.667—26.67	KPa
Oxygen partial pressure (pO <sub>2</sub> )	0—106.7	KPa
Potassium ion(K <sup>+</sup> )	0—800.0	mmHg
Sodium ion(Na <sup>+</sup> )	0.50—10.00	mmol/L
Chloride ion(Cl <sup>-</sup> )	50.0—200.0	mmol/L
Ionized calcium(Ca <sup>++</sup> )	20.0—200.0	mmol/L
Hct	0.10—5.00	mmol/L
B.P.	12.0—65.0	%
	500—800	mmHg

### Derived(Calculated) Parameters:

pH(TC)	pH temperature corrected
pCO <sub>2</sub> (TC)	pCO <sub>2</sub> temperature corrected
pO <sub>2</sub> (TC)	pO <sub>2</sub> temperature corrected
TCO <sub>2</sub>	Total carbon dioxide
HCO <sub>3</sub> <sup>-</sup>	Actual plasma bicarbonate
BE <sub>b</sub>	Base Excess in blood
BE <sub>ecf</sub>	Base Excess in extra cellular fluids
SBC	Standard bicarbonate
sO <sub>2</sub> %	Calculated oxygen saturation percentage
Ca <sup>++</sup> (7.4)	ionized calcium "normalized" to pH 7.4
TCa	Total calcium content
AG	Anion gap
RI	Respiratory Index
AaDO <sub>2</sub>	Alveolar artillery oxygen gradient
O <sub>2</sub> SAT	Oxygen Saturation
tHb(c)	Hemoglobin(Calculated)

### Input parameter:

Patient Temperature

Hemoglobin

FI<sub>O<sub>2</sub></sub>

B.P.

### Interface:

Serial Line RS-232

TCP/IP interface

USB port

Integrated Bar-code reader

**Analysis Time** <90s

**Sample Volume** 95uL Whole blood

35uL Capillary blood

**Calibration** Automatic, programmable

1-point and 2-point calibration

**Data Storage** >10000

**Display** 10.4" TFT touch screen

**Battery** Lead Acid Battery, 2.3 Ah

**Printer** Build-in Thermal printer, 70mm

**Barcode Reader** Up to 14kinds barcode type

### Dimension:

**Instrument** 400(W)×574(H)×344(D) mm<sup>3</sup>

**CAL PAK** 258(W)×180(H)×70(D) mm<sup>3</sup>

**AUTOQC** 103(W)×180(H)×70(D) mm<sup>3</sup>

**Weight** 18kg

**Work Enviroment** 15℃~30℃

**Storage Enviroment** 5℃~40℃

**Power supply** 100-240V~50/60 Hz

## Henan Forever Medical Co.,Ltd

Room 806,Floor 8,Wanda Center,Jinshui  
District,Zhengzhou,Henan,China

TEL:86-371-61315851

FAX:86-371-61315853

Email:cassie@yjcompany.com

WWW.YONGJIUMED.COM

# YJ-BG80



Forever Medical

## Blood Gas Electrolyte Analyzer

**GAS-TANK FREE**

CE



**Safe, Simple, Human-based**



CE



## YJ-BG80 Blood Gas Electrolyte Analyzer

This new designed blood gas analyzer has a convenient disposable calibrants cartridge containing flush solution, mixed gas and liquid calibrants, waste container. The gas tanks are eliminated. This new cartridge design can avoid operator biological hazards and environment pollution.

### Intuitive Touch screen

High resolution 10.4" touch screen  
User-friendly operation interface  
Parameter area provides analyzer status at a glance  
Online operation and self-diagnostic tutorials

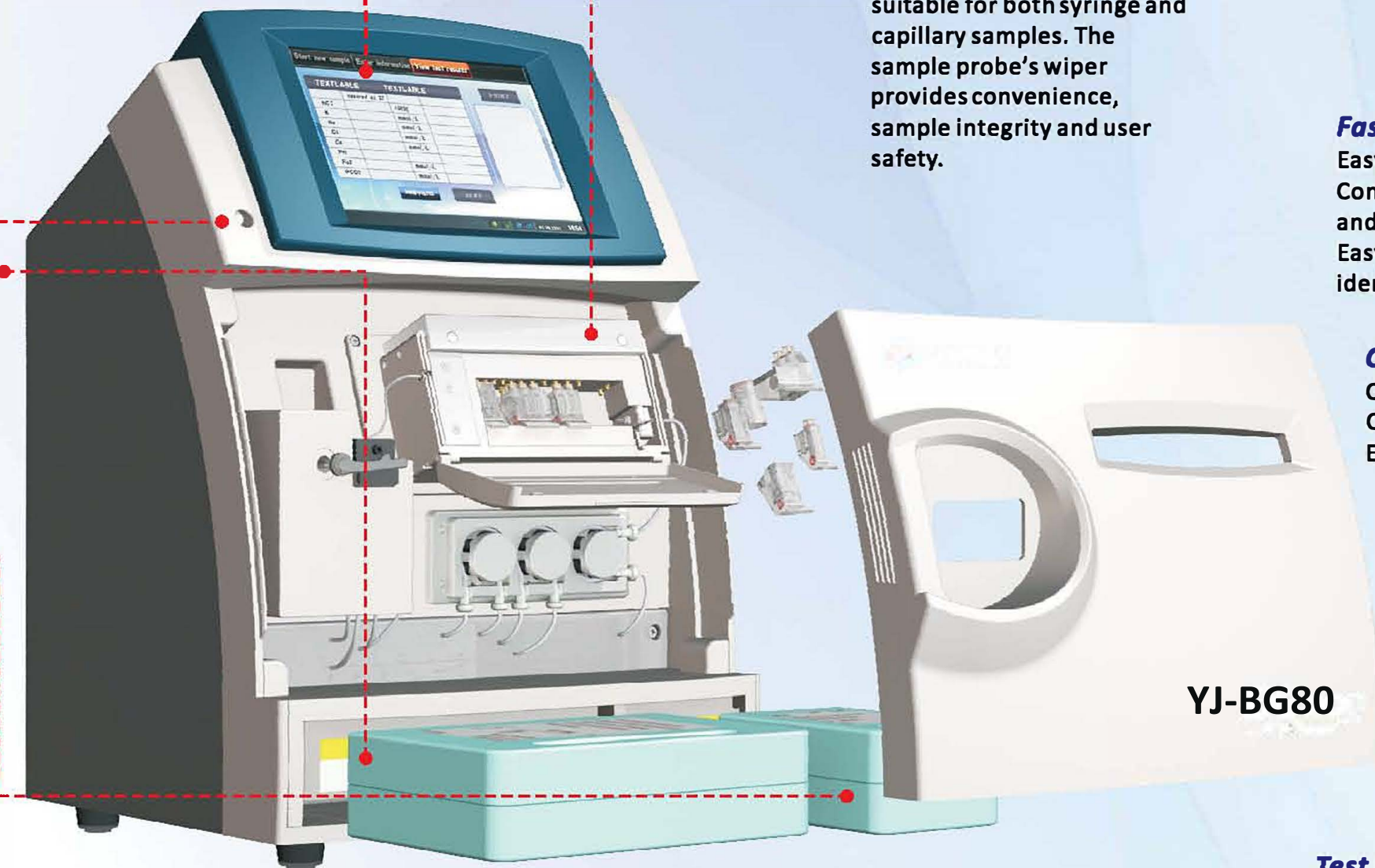
### Infrared human-detector

### Flexible and simple calibrants cartridge

High and low volume testing cartridge can be chose(300,200,100,50).  
30 days available on board  
Stored at room temperature  
All-in-one design without extra consumables  
Cartridge expiration alarm and residue information

### AutoQC cartridge

Optional AutoQC cartridge containing 3 levels QC design  
Auto H/M/L QC once per days, customer can define  
30 days available on board  
Stored at room temperature  
All-in-one design without extra consumables  
Cartridge expiration alarm and residue information  
Auto-stop analysis sample once failing on QC



### Reliable and convenient measurement unit

Capillary Sample volume only 35uL  
Whole blood volume only 95uL  
Multi-combination parameters  
Self-made long life maintenance free electrodes  
Maximum 90s result from aspiration, less than 120s from sample to sample  
Long-lasting fluid system  
Preheats reagents and sample

### Easy to use

The sample adaptor is suitable for both syringe and capillary samples. The sample probe's wiper provides convenience, sample integrity and user safety.

### Fast data input

Easy sample and patient ID input  
Convenient bar-code calibrants and Auto-QC cartridge replace  
Easy bar-code consumables identification

### Cost-saving standby mode

Conserves calibrants to save cost  
Customizable standby schedule  
Easy entry and exit from standby

### Rich data management

RS-232 interface  
LIS connection under HL7 protocol  
Data backup with USB port

### Compact, flexible

Size(mm) W\*H\*D: 400×574×344  
Easy move with rolling stand  
Lead acid battery, 2.3Ah

### Test Menu

pH, pCO<sub>2</sub>, pO<sub>2</sub>, Hct, K<sup>+</sup>, Na<sup>+</sup>, Ca<sup>++</sup>, Cl<sup>-</sup>