

# Infitek

## BLOOD GAS ANALYZER



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VERSION.26

# Blood Gas And Electrolyte Analyzer

BGA-95-4



## Features

### 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

### Reliable and convenient measurement unit

- ◆ Capillary Sample volume only 50 $\mu$ L
- ◆ Whole blood volume only 95 $\mu$ L
- ◆ 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



### Flexible and simple calibrants cartridge

- ◆ High and low volume testing cartridge can be chose(300,200,150,100,50).
- ◆ 30 days available on board
- ◆ Stored at room temperature
- ◆ All-in-one design without extra consumables
- ◆ Cartridge expiration alarm and residue information



### Auto QC cartridge

- ◆ Optional Auto QC 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

## Description

This new designed blood gas analyzer has a convenient disposable calibrants cartridge containing flush solution, mixed gas and liquid calibrants, waste container.

This new cartridge design can avoid operator biological hazards and environment pollution.



**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



**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  
Nickel-metal hydride battery,3.0Ah



**Test Menu**

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

**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
	0—800.0	mmHg
Hct	12.0—65.0	%
B.P.	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>	0-50mmol/L
HCO <sub>3</sub>	0-50mmol/L
Beb	-25.0-25mmol/L
Beeef	-25.0-25mmol/L
SBC	0-50mmol/L
SO <sub>2</sub> %	40-100.0%
AG	Anion gap
RI	0.0-70.0
AaDO <sub>2</sub>	0-700mmHg
O <sub>2</sub> SAT	Oxygen Saturation
tHb(c)	Hemoglobin(Calculated)
Sample	Whole blood, Serum, Plasma, Dialysate, CSF
Test items	pH, pCO <sub>2</sub> , pO <sub>2</sub> , Hct
Input parameter	Patient temperature
	Hemoglobin
	FiO
Interface	B.P.
	Serial Line RS-232
	TCP/IP interface
	USB port
Analysis time	Integrated Bar-code reader
	<90s
Sample volume	95µL Whole blood
	50µL Capillary blood
Calibration	Automatic, programmable 1-point and 2-point calibration
Data storage	>10000
Display	10.4" TFT touch screen
Battery	Nickel-metal hydride battery 3.0Ah
Printer	Build-in Thermal printer 70mm
Barcode reader	Up to 14 kinds barcode type
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	30Kg
Work environment	15 C ~30 C
Storage environment	5 C ~40 C
Electricity	100-240V~50/60Hz

# Blood Gas And Electrolyte Analyzer

BGA-95-8



## Features

### Intuitive touch screen

- ◆ User-friendly operation interface
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- ◆ Online operation and self-diagnostic tutorials

### High resolution 10.4" touch screen



### Reliable and convenient measurement unit

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- ◆ Whole blood volume only 95 $\mu$ L
- ◆ Multi-combination parameters
- ◆ Self-made long life maintenance free electrodes
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**Compact, flexible**

Easy move with rolling stand

Nickel-metal hydride battery,3.0Ah

**Measured Parameters**

Analyte	Measuring range	Unit
Hydrogen ion activity(pH)	6.000—9.000	pH scale
Carbon dioxide partial pressure(PCO2)	0.667—26.67	kPa
Oxygen partial pressure(PO2)	5.0—200.0	mmHg
	0—106.7	kPa
	0—800.0	mmHg
Potassium ion(K+)	0.50—10.00	mmol/L
Sodiumion(Na+)	50.0—200.0	mmol/L
Chloride ion(Cl-)	20.0—200.0	mmol/L
Ionized calcium(Ca++)	0.10—5.00	mmol/L
Hct	12.0—65.0	%
B.P.	500—800	mmHg



Derived (Calculated) Parameters	
pH(TC)	pH temperature corrected
pCO2 (TC)	pCO2 temperature corrected
pO2 (TC)	pO2 temperature corrected
TCO2	0-50mmol/L
HCO3	0-50mmol/L
Beb	-25.0-25mmol/L
Beecf	-25.0-25mmol/L
SBC	0-50mmol/L
SO2%	40-100.0%
Ca++(7.4)	Ionized calcium"normalized" to pH 7.4
TCa	Total calcium content
AG	Anion gap
RI	0.0-70.0
AaDO2	0-700mmHg
O2SAT	Oxygen Saturation
tHb(c)	Hemoglobin(Calculated)
Sample	Whole blood, Serum, Plasma, Dialysate, CSF
Test items	pH , pCO2, pO2, K+ , Na+ , Cl- , Ca++ , Hct Patient temperature
Input parameter	Hemoglobin FiO B.P.
Interface	Serial Line RS-232 TCP/IP interface USB port Integrated Bar-code reader
Analysis time	<90s
Sample volume	95µL Whole blood 50uL Capillary blood
Calibration	Automatic , programmable 1-point and 2-point calibration
Data storage	>10000
Display	10.4" TFT touch screen
Battery	Nickel-metal hydride battery 3.0Ah
Printer	Build-in Thermal printer70mm
Barcode reader	Up to 14 kinds barcode type
Instrument(W*H*D)	400*574*344mm
CAL PAK(W*H*D)	258*180*70mm
AUTOQC(W*H*D)	103*180*70mm
Weight	30Kg
Work environment	15 C ~30 C
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