

Specification

Sample Type :

Whole blood, Serum, Plasma, Dialysate, CSF

Model name :

BG-800 : pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Ca²⁺ pH Hct

BG-800A : pCO₂ pO₂ pH Hct

BG-800B : pCO₂ pO₂ K⁺ Na⁺ Cl⁻ pH Hct

Measured Parameters:

Analyte	Measuring range	Unit
Hydrogen ion activity(pH)	6.000—9.000	pH scale
Carbon dioxide partial pressure(pCO ₂)	0.667—26.67	KPa
Oxygen partial pressure(pO ₂)	5.0—200.0	mmHg
	0—106.7	Kpa
	0—800.0	mmHg
Potassium ion(K ⁺)	0.50—10.00	mmol/L
Sodium ion(Na ⁺)	50.0—200.0	mmol/L
Chloride ion(Cl ⁻)	20.0—200.0	mmol/L
Ionized calcium(Ca ²⁺)	0.10—5.00	mmol/L
Hct	12.0—65.0	%
B.P.	500—800	mmHg
Glucose	1.1—66.7	mmol/L
Lactate	0.4—30.0	mmol/L

Derived(Calculated) Parameters:

pH(TC)	pH temperature corrected
pCO ₂ (TC)	pCO ₂ temperature corrected
pO ₂ (TC)	pO ₂ temperature corrected
TCO ₂	0—50mmol/L
HCO ₃ ⁻	0—50mmol/L
Be _s	-25.0—25mmol/L
Be _{cor}	-25.0—25mmol/L
SBC	0—50mmol/L
sO ₂ %	40—100.0%
Ca ²⁺ (7.4)	Ionized calcium“normalized” to pH 7.4
TCa	Total calcium content
AG	Anion gap
RI	0.0—70.0
AaDO ₂	0—700mmHg
O ₂ SAT	Oxygen Saturation
tHb(c)	Hemoglobin(Calculated)



BG-800 series Blood Gas Analyzer



pCO₂、pO₂、pH、K⁺、Na⁺、Cl⁻、Ca²⁺、Hct



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(300,200,150,100,50)
- 30 days available on board
- Stored at room temperature
- All-in-one design without extra consumables
- Cartridge expiration alarm and residue information

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.

Rich data management

- RS-232 interface
- LIS connection under HL7 protocol
- Data backup with USB port
- Data Storage: >10000

Reliable and convenient measurement unit

- Capillary Sample volume only 50uL
- 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

Input parameter

- Patient Temperature
- Hemoglobin
- FiO₂
- B.P.

Characteristic

- Analysis Time: <90s
- Sample Volume: 95uL Whole blood, 50uL Capillary blood
- Calibration: Automatic, 1 point and 2 point calibration
- Battery: Nickel-metal hydride battery, 3.0Ah

Dimension:

- Machine: 420mm×623mm×410mm, 18kg
- Working temperature: 15°C~30°C
- Storage environment: 5°C~45°C
- Power supply: 100~240V~ 50/60Hz

