

Specification

Sample :

Whole blood, Serum, Plasma, Dialysate, CSF

Model name :

BG-800

Measured Parameters:

Analyte	Measuring range	Unit
Hydrogen ion activity (pH)	6.000-9.000	pH scale
Carbon dioxide partial pressure (pCO ₂)	1.607-26.67	KPa
Oxygen partial pressure (pO ₂)	0-106.7	Kpa
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 ^{**})	0.10-5.00	mmol/L
Hct	12.0-65.0	%
B.P.	500-800	mmHg

Derived (Calculated) Parameters:

pH(TC)	pH temperature corrected
pCO ₂ (TC)	pCO ₂ temperature corrected
pO ₂ (TC)	pO ₂ temperature corrected
TCO ₂	Total carbon dioxide
HCO ₂	Actual plasma bicarbonate
BE _b	Base Excess in blood
BE _{ext}	Base Excess in extra cellular fluids
SBC	Standard bicarbonate
sO ₂ %	Calculated oxygen saturation percentage
Ca ^{**} (7.4)	Ionized calcium "normalized" to pH 7.4
TCa	Total calcium content
AG	Anion gap
RI	Respiratory Index
AaDO ₂	Alveolar artillary oxygen gradient
O ₂ SAT	Oxygen Saturation
tHb(c)	Hemoglobin (Calculated)

Marketed by

Input parameter:

Patient Temperature

Hemoglobin

FiO₂

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" 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) x 574(H) x 344(D) mm³

CAL PAK 258(W) x 180(H) x 70(D) mm³

AUTOQC 103(W) x 180(H) x 70(D) mm³

Weight 18kg

Work Enviroment 15°C ~ 30°C

Storage Enviroment 5°C ~ 40°C

Power supply 100 - 240V ~ 50/60 Hz



BG-800

Blood Gas Analyzer

GAS-TANK FREE



pH

PCO₂

pO₂

Na⁺

K⁺

Ca⁺⁺

Cl^{*}

Hct



Safe, Simple, Human-based

BG-800 Blood Gas

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

Infrared sensor

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

Flexible and simple calibrants cartridge

- High and low volume testing cartridge can be chosen.
- 30 days available on board
- Stored at room temperature
- All-in-one design without extra consumables
- Cartridge expiration alarm and residue information

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 : 400x574x344
- Easy move with rolling stand
- Lead acid battery, 2.3Ah

Test Menu

pH, pCO₂, pO₂, Hct, K*, Na*, Ca**, Cl*

