

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 _{est} | 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) |

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

Marketed by

Golden
Harvest Industries
[Pioneer in Medical Diagnostics]

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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*