

BG-800

Blood Gas Analyzer

GAS-TANK FREE

CE

pH

PCO₂

pO₂

Na⁺

K⁺

Ca⁺⁺

Cl⁻

Hct

Hu



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

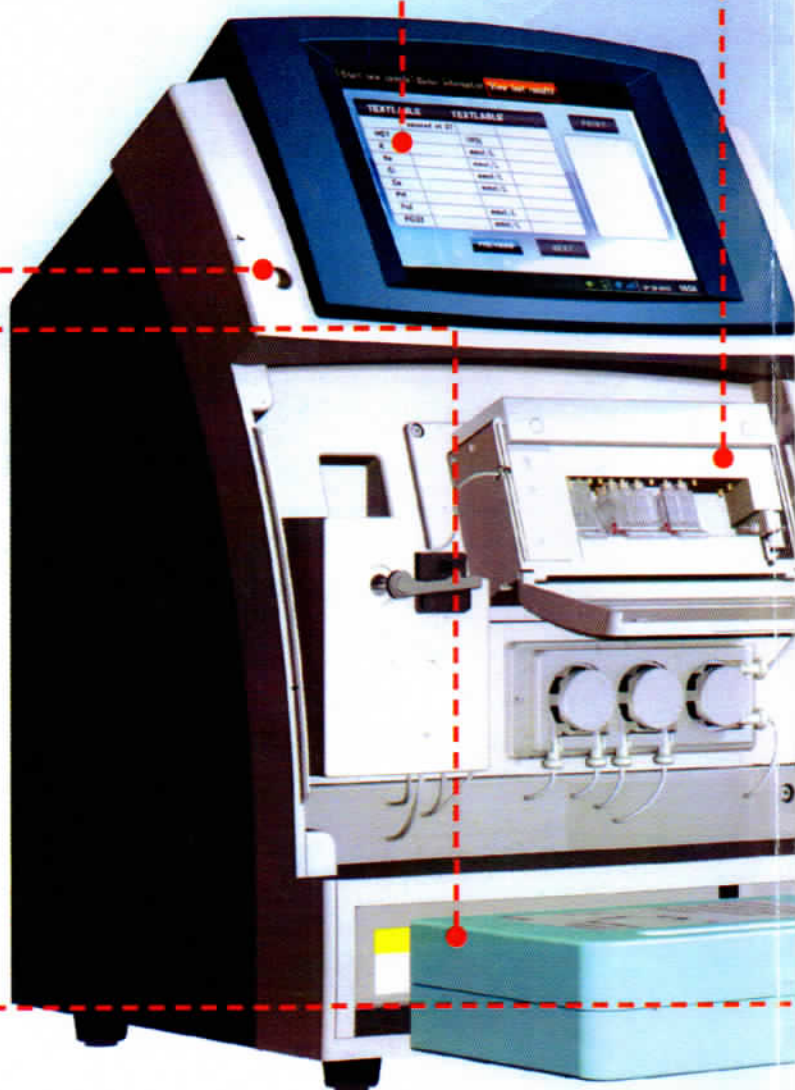
Infrared human-detector

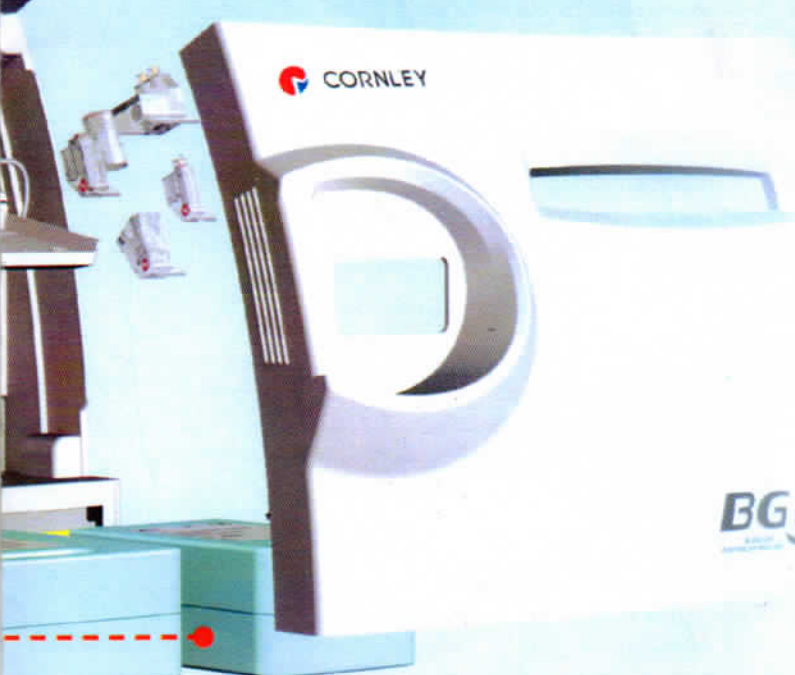
Flexible and simple calibrants cartridge

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

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 50uL
Whole blood volume only 95uL(120uL if with Glu and Lac)
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

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, pCO₂, pO₂, Hct, K⁺, Na⁺, Ca⁺⁺, Cl⁻, Glu, Lac

Specification

Sample:

Whole blood, Serum, Plasma, Dialysate, CSF

Model name :

BG 800: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Ca⁺⁺ Hct
BG 800A: pH pCO₂ pO₂ Hct
BG 800B: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Hct
BG 800Q: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Ca⁺⁺ Hct AutoQC
BG 800AQ: pH pCO₂ pO₂ Hct AutoQC
BG 800BQ: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Hct AutoQC
BG 800E: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Ca⁺⁺ Hct Lac Glu
BG 800EQ: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁻ Ca⁺⁺ Hct Lac Glu AutoQC

Measured Parameters:

Analyte	Measuring range	Unit
Hydrogen ion activity(pH)	6.000—9.000	pH scale
Carbon dioxide	0.667—26.67	KPa
partial pressure(pCO ₂)	5.0—200.0	mmHg
Oxygen partial pressure(pO ₂)	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 ⁺⁺)	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 _b	-25.0-25mmol/L
Be _{ect}	-25.0-25mmol/L
SBC	0-50mmol/L
sO ₂ %	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
AaDO ₂	0-700mmHg
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 (120uL if with Glu and Lac) 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 printer, 70mm
Barcode Reader	Up to 14 kinds barcode type

Dimension:

Instrument	400(W)×574(H)×344(D) mm ³
CAL PAK	258(W)×180(H)×70(D) mm ³
AUTOQC	103(W)×180(H)×70(D) mm ³
Weight	18kg
Work Enviroment	15°C ~30°C
Storage Enviroment	5°C ~40°C
Power supply	100-240V~50/60 Hz



Meizhou Cornley Hi-Tech Co.,Ltd

6/F Building 10,Block3,Yangbei Industrial Park,
Huangtian,Baoan,Shenzhen,518128

TEL:86-755-86330808 FAX:86-755-86330882

Email:Sales@cornley.com