CORNLEY

BG-800

Blood Gas Analyzer

GAS-TANK FREE

CE

pH

PCO_2

pO_2

Na^+

K^+

Ca^{++}

Cl^-

Hct

Safe, Simple, Human-based

Specification

Sample:

Whole blood, Serum, Plasma, Dialysate, CSF

Model name :

BG 800: pH pCO_2 pO_2 K^+ Na^+ Cl^- Ca^{++} Hct

BG 800A: pH pCO_2 pO_2 Hct

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

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_3^-	Actual plasma bicarbonate
BE_b	Base Excess in blood
BE_{ecf}	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 artillery oxygen gradient
O_2SAT	Oxygen Saturation
tHb(c)	Hemoglobin(Calculated)

Input parameter:

Patient Temperature
Hemoglobin
FiO_2
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℃～30℃
Storage Enviroment	5℃～40℃
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

WWW.CORNLEY.COM

TÜV SÜD

CE

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

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, pCO_2, pO_2, Hct, K^+, Na^+, Ca^{++}, Cl^-