

BG800 Veterinary Blood Gas Analyzer



Sample Type

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-800E: pH pCO₂ pO₂ K⁺ Na⁺ Cl⁺ Ca⁺⁺ Hct Lac Glu

Measured Parameters

ANALYTE	MEASURING RANGE	UNIT
pH(CH)	6.000-9.000	pH scale
pCO ₂	0.667-26.67	KPa
	5.0-200.0	mmHg
pO ₂	0-106.7	KPa
	0-800.0	mmHg
K ⁺	0.50-10.00	mmol/L
Na ⁺	50.0-200.0	mmol/L
Cl ⁺	20.0-200.0	mmol/L
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

Features

- Analysis Time: <90s
- Sample Volume: 95µL Whole blood (120µL if with Glu and Lac), 50µL 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

Input Parameter

Patient Temperature
Hemoglobin
FiO₂
B. P.

Interface

Serial Line RS-232
TCP/IP Interface
USB Port
Integrated Bar-code Reader

Dimension

Instrument: 400(W)mm*574(H)mm*344(D)mm
CAL PAK: 258(W)mm*180(H)mm*70(D)mm
AUTOQC: 103(W)mm*180(H)mm*70(D)mm
Weight: 18KGS
Working temperature: 15°C~30°C
Storage environment: 5°C~45°C
Power supply: 100-240V~50/60Hz

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

BEb	Base Excess in blood
BEecf	Base Excess in extra cellular fluids
SBC	Standard bicarbonate
sO2%	Calculated oxygen saturation percentage
Ca ⁺⁺ (7.4)	Ionized calcium“normalized” to pH7.4
TCa	Total calcium content
AG	Anion gap
RI	Respiratory index
AaDO2	Alveolar artillary oxygen gradient
O2SAT	Oxygen Saturation
tHb(c)	Hemoglobin (Calculated)