



Blood Gas Analyzer FM-BGA-A100

Overview

Blood Gas Analyzer FM-BGA-A100 requires a sample volume of 120 μ l for whole blood and 50 μ l for capillary blood, ensuring flexibility in sample types. It supports multiple barcode types, enhancing versatility. Operating within a temperature range of 15° C to 30°C. Enhanced with a seamless data input and an infrared human detector. The built-in thermal printer provides immediate printouts of results.

Specifications :

Sample	Whole blood, Serum, Plasma, Dialysate, CSF
Sample Volume	120 μ l whole blood , 50 μ l capillary blood
Analysis Time	< 90s
Test Parameter	pO ₂ , pCO ₂ , pH, K, HCT.B.P, Na ⁺ , Cl ⁻ , Ca ⁺⁺
Operating Temperature	15 to 30°C
Storage Environment	5 to 45°C
Input Variable	Patient temperature, Hemoglobin, FiO ₂ , Barometric Pressure
Measured Factor	Hydrogen ion activity (pH): 6.000 to 9.000 pH Partial pressure (pCO ₂): 1.607 to 26.67 Kpa, 8.0 to 200.0 mmHg (PO ₂): 0 to 106.7 kPa, 0 to 800.0 mmHg Potassium ion (K): 0.5 to 15.0 mmol/L Sodium ion (Na ⁺): 20.0 to 200.0 mmol/L Chloride ion (Cl ⁻): 20.0 to 200.0 mmol/L Ionized calcium (Ca ⁺⁺): 0.3 to 5.0 mmol/L Hct: 12.0 to 65.0% B.P. : 500 to 800 mmol/L
Derived Factors	pH (CH)pCO ₂ , pO ₂ , K, Na ⁺ , Cl ⁻ , Ca ⁺⁺ , Hct, B.P
Calibration	Automatic, programmable 1-point and 2-point calibration
Data Storage	> 5000 result
Display	10.4 inches TFT touch screen
Printer	Built-in thermal printer
Bar Code Reader	Multiple types barcode type
Interface	Serial line RS-232, TCP/IP interface, USB port, Integrated Bar-Code Reader
Battery	24 Nickel-metal hydride battery, 3.0 Ah
Power Supply	100 to 240 V, 50/60 Hz
Reagent Dimension (W x D xH)	586 x460 x380 mm
Packaging Dimension (W x D xH)	920 x650 x610 mm
Gross Weight (Reagent)	9.7 kg
Gross Weight (Main Instrument)	52.8 kg

Features :

- Blood gas analyzer is a highly accurate instrument
- Analyses whole blood, serum, plasma, and more
- Results in under 90 seconds
- Stores over 5000 results
- Touchscreen display
- Automatic, programmable 1-point and 2-point calibration
- RS-232, TCP/IP interface, USB port, integrated barcode reader
- Multiple parameters can be tested

Applications :

Blood Gas Analyzer is ideal for healthcare, biotechnology, veterinary medicine, and sports science.