

## Specification

### Sample:

Whole blood, Serum, Plasma, Dialysate, CSF

### Measured Parameters:

| Analyte                                            | Measuring range | Unit     |
|----------------------------------------------------|-----------------|----------|
| Hydrogen ion activity(pH)                          | 6.000—9.000     | pH scale |
| Carbon dioxide partial pressure(pCO <sub>2</sub> ) | 0.667—26.67     | KPa      |
| Oxygen partial pressure (pO <sub>2</sub> )         | 0—200.0         | mmHg     |
| Potassium ion(K <sup>+</sup> )                     | 0—106.7         | KPa      |
| Sodium ion(Na <sup>+</sup> )                       | 0—800.0         | mmHg     |
| Chloride ion(Cl <sup>-</sup> )                     | 0.50—10.00      | mmol/L   |
| Ionized calcium(Ca <sup>++</sup> )                 | 50.0—200.0      | mmol/L   |
| Hct                                                | 20.0—200.0      | mmol/L   |
| B.P.                                               | 0.10—5.00       | mmol/L   |
|                                                    | 12.0—65.0       | %        |
|                                                    | 500—800         | mmHg     |

### Derived(Calculated) Parameters:

|                               |                                         |
|-------------------------------|-----------------------------------------|
| pH(TC)                        | pH temperature corrected                |
| pCO <sub>2</sub> (TC)         | pCO <sub>2</sub> temperature corrected  |
| pO <sub>2</sub> (TC)          | pO <sub>2</sub> temperature corrected   |
| TCO <sub>2</sub>              | Total carbon dioxide                    |
| HCO <sub>3</sub> <sup>-</sup> | Actual plasma bicarbonate               |
| BE <sub>b</sub>               | Base Excess in blood                    |
| BE <sub>ecf</sub>             | Base Excess in extra cellular fluids    |
| SBC                           | Standard bicarbonate                    |
| sO <sub>2</sub> %             | Calculated oxygen saturation percentage |
| Ca <sup>++</sup> (7.4)        | Ionized calcium "normalized" to pH 7.4  |
| TCa                           | Total calcium content                   |
| AG                            | Anion gap                               |
| RI                            | Respiratory Index                       |
| AaDO <sub>2</sub>             | Alveolar artillary oxygen gradient      |
| O <sub>2</sub> SAT            | Oxygen Saturation                       |
| tHb(c)                        | Hemoglobin(Calculated)                  |

### Input parameter:

Patient Temperature  
Hemoglobin  
FiO<sub>2</sub>  
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** 10.4" 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)×574(H)×344(D) mm<sup>3</sup>

**CAL PAK** 258(W)×180(H)×70(D) mm<sup>3</sup>

**AUTOQC** 103(W)×180(H)×70(D) mm<sup>3</sup>

**Weight** 18kg

**Work Enviroment** 15℃~30℃

**Storage Enviroment** 5℃~40℃

**Power supply** 100-240V~50/60 Hz

# Blood Gas Analyzer

**GAS-TANK FREE**

CE

pH  
PCO<sub>2</sub>  
pO<sub>2</sub>  
Na<sup>+</sup>  
K<sup>+</sup>  
Ca<sup>++</sup>  
Cl<sup>-</sup>  
Hct



**Safe, Simple, Human-based**



CE