

| Parameter | Reportable Range | Resolution | Measurement method |
|-------------------------|----------------------|------------|-----------------------|
| pH (pH units) | 6.5 – 8.0 | 0.001 | Potentiometric sensor |
| pO ₂ (mmHg) | 10 – 700 | 0.1 | Amperometric sensor |
| pCO ₂ (mmHg) | 10 – 150 | 0.1 | Potentiometric sensor |
| Na (mmol/L) | 100 – 180 | 0.1 | Potentiometric sensor |
| K (mmol/L) | 2.0 – 9.0 | 0.01 | Potentiometric sensor |
| Ca (mmol/L) | 0.25 – 2.5 | 0.01 | Potentiometric sensor |
| Cl (mmol/L) | 65 – 140 | 0.1 | Potentiometric sensor |
| Glu (mg/dL or mmol/L) | 20 – 700/1.1 – 38.9 | 1/0.1 | Amperometric sensor |
| Lac (mg/dL or mmol/L) | 2.7 – 180.2/0.3 -20 | 0.1/0.01 | Amperometric sensor |
| Hct (%PCV or Fraction) | 10 – 75 /0.10 – 0.75 | 1%/0.01 | Conductance sensor |

Specification

| | |
|-----------------------|---|
| Throughput | Results in 1 minute after sample aspiration |
| Sample volume | 140µl / 80µl |
| Quality control | 3 or 5 levels QC, External electronic simulator |
| Display | 7-inch color LCD Display, 800*480 |
| Interface | 4 x USB 2.0 host, 1 x RS232, WLAN |
| Input device | Touch screen and barcode scanner |
| Power supply | 100~240VAC, 50/60Hz |
| Battery | 5000mAh rechargeable lithium-ion battery, 50 samples continuous testing |
| Dimensions (W*H*D) | 238*153*310 mm |
| Weight | 3.65 KG |
| Operation Environment | 10 C -31 C ; %RH: 25%-80%; 70 -106.6 KPa |

