

# ELECTROLYTE ANALYZER

## BSE SERIES

### Features

Compact, cost-efficient and easy - to- use  
Excellent precision and reliability Long life, high performance, maintenance -free electrodes  
Automatic sampling, washing and calibration  
Touch screen ,large LCD display Internal thermal recorder, supporting barcode reader  
Auto sampler optional

### Measuring range Reproducibility(CV%)

|                  |                   |       |
|------------------|-------------------|-------|
| K+               | 0.50~15.00 mmol/L | ≤1.5% |
| Na+              | 30.0~200.0 mmol/L | ≤1.0% |
| Cl-              | 30.0~200.0 mmol/L | ≤1.5% |
| Ca <sup>2+</sup> | 0.10~5.00 mmol/L  | ≤2.0% |
| Li+              | 0.20~3.00 mmol/L  | ≤3.0% |
| pH               | 4.00~9.00 unit    | ≤1.0% |

### Specifications

|                       |   |   |
|-----------------------|---|---|
| Principle             | : | Direct measurement by Ion Selective Electrode (ISE) |
| Sample                | : | Whole blood, serum, plasma, diluted urine           |
| Sample volume         | : | 100~150µL   |
| Throughput            | : | up to 60 samples/h                                  |
| Data storage          | : | up to 200 patient result                            |
| Calibration           | : | Automatic or On-demand                              |
| Input                 | : | Touch-screen  |
| Display               | : | Large LCD with backlight                            |
| Output                | : | Internal thermal recorder, RS-232 serial port       |
| Working Environment   | : | Temperature: 15°C~32°C                              |
| Relative humidity     | : | 85%   |
| Input voltage         | : | AC 220V/110V ±10%, 50/60Hz                          |
| Power consumption     | : | 60W   |
| Dimensions            | : | 440mm 380mm 350mm (H W D)                           |
| Weight Main unit      | : | 10kg  |
| Auto sampler (option) | : | 1.5kg   |

### Available Models

|          |   |
|----------|---|
| BSE-2000 | K+ / Na+  |
| BSE-3000 | K+ / Na+ / Cl   |
| BSE-3500 | K+ / Na+ / Cl / Li+                                     |
| BSE-4000 | K+ / Na+ / Cl / CO <sub>2</sub>                         |
| BSE-5000 | K+ / Na+ / Cl / Ca <sup>2+</sup> / pH                   |
| BSE-5500 | K+ / Na+ / Cl / Ca <sup>2+</sup> / pH / CO <sub>2</sub> |

ISO 13485:2003 (04714Q10000273)

ISO 9001:2008 (04714Q10257R3M)



## Bio Max

Biomax Inc., GmbH  
Prenzlauer Promendae 255,  
D-13211 Berlin, Germany.