

# BS-600M

## Chemistry Analyzer

**mindray**

### Technical Specifications

#### System Function:

**Throughput:** 600 photometric tests per hour, up to 800 tests per hour with ISE

**Measuring principles:** Absorbance Photometry, Turbidimetry

**On-board tests:** up to 77 photometric tests + 3 ISEs+ 3 serum indices

**Methodology:** End-point, Fixed-time, Kinetic, ISE

#### Sample Handling:

**SDM:** 120 samples by 12 racks, sample continuous loading, STAT in priority

**Sample volume:** 1.5~45 $\mu$ L, step at 0.1 $\mu$ L

**HbA1c sample:** Whole blood for HbA1c test

**Sample probe:** Liquid level detection, clot detection and collision protection

#### Reagent Handling:

**Reagent tray:** 80 positions with cooling system (2~8 $^{\circ}$ C)

**Reagent volume:** 10~200 $\mu$ L, step at 0.5 $\mu$ L

**Reagent probe:** Liquid level detection, bubble detection and collision protection

#### Built-in Bar Code Reader:

Sample and reagent bar code readers support Codabar, ITF (Interleaved Two of five), Code 128, Code 39, UPC/EAN and Code 93;

Capable to connect with LIS in the bi-directional mode

#### Reaction System:

**Reaction volume:** 70~300 $\mu$ L

**Reaction temperature:** 37 $^{\circ}$ C with 0.1 $^{\circ}$ C fluctuation

**Reaction cuvettes:** 124 reusable cuvettes with 8-step auto wash

#### Optical System:

**Light source:** Tungsten-halogen lamp

**Photometer:** Grating photometer

**Wavelength:** 16 wavelengths (340nm, 380nm, 412nm, 450nm, 480nm, 505nm, 546nm, 570nm, 605nm, 630nm, 660nm, 700nm, 740nm, 770nm, 800nm, 850nm)

**Absorbance range:** 0~3.5Abs(10mm conversion)

#### Control and Calibration:

**Calibration mode:** Linear(one-point, two point and multi-point), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola

**Control rules:** Westgard multi-rule, Twin plot

#### Operation Unit:

**Operation system:** Touch screen(optional), Windows 10(64bit)

**Interface:** RS-232, Network Port, USB/ parallel port

#### Working Conditions:

**Power Supply:** 200~240V, 50/60Hz, 1700VA or 110/115V, 60Hz, 1700VA

**Temperature:** 15~30 $^{\circ}$ C

**Humidity:** 35~85%

**Dimension:** 1380mm(length)\*860mm(width)\*1200mm(high)

**Weight:** 350kg



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## Powerful yet Efficient



[www.mindray.com](http://www.mindray.com)

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