

BS-200E

Chemistry Analyzer



BS-200EChemistry Analyz

Intelligent collision protection

- Real-time alarms for any possible vertical & horizontal collision
- Ensures saftey of operators

Effective liquid level detection and tracking

• Minimizes carry-over

Resuable and durable cuvettes

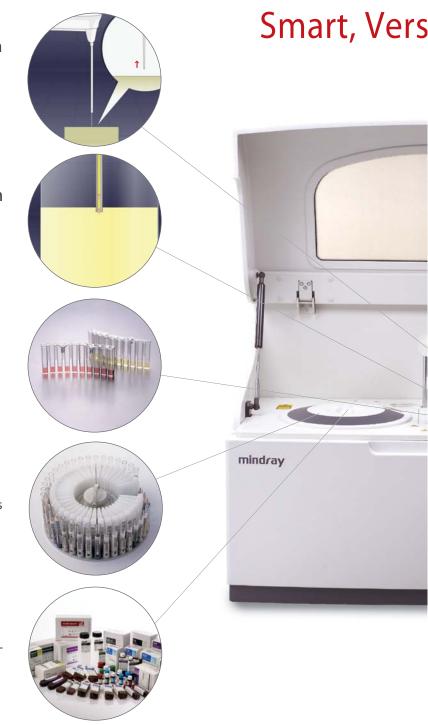
- Saves cost
- Easy replacement

Reagent cooling compartment

- 2~12°C continuous cooling for reagents
- Ensures reagent stability

Original system pack reagents

- Available original reagents, QC and CAL
- Metrological traceability



- Constant 200 tests per hour for ehemisties
- Grating optical system with 12 wavelengths
- 8-step auto washir

- High efficiency independent mixing bar
- 150µl minimum reaction volume
- Effective liquid level detection as
- Original 48 parameters system pack reagents and QC & Calibrators ready to use



ng system with pre-warmed detergent and water

• 80 reusable and durable cuvettes

Vertical & horizontal collision protection for probe
Multifunctional and user-friendly operation software

BS-200E

Chemistry Analyzer

Technical Specifications

System Function:

Automatic, Discrete, Random Access

STAT sample priority

Constant 200 tests/hour (without ISE), up to Throughput:

330 tests/hour with ISE

Principles:

Absorbance photometry, Turbidimetry,

Ion Selective Electrode technology

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

> Single/Dual reagent chemistries, monochromatic/bichromatic

Linear/non-linear multi-point calibration

Programming: Open system with user defined profiles

and calculation chemistries

Original system pack reagents ready to use

Reagent/Sample Handling:

Reagent/Sample tray:

40 positions for reagents and 40 positions

for samples in cooling compartment (2~12°C)

Reagent volume:

R1: 10~350μl, step by 1 μl 10~200μl, step by 1 μl Sample volume: 2~45μl, step by 0.1 μl

Reagent/Sample probe:

Liquid level detection and tracing, vertical & horizontal collision protection and inventory

checking

Probe cleaning: Automatic washing for both interior and exterior

Carry-over < 0.1%

Automatic sample dilution:

Pre-dilution and post-dilution Dilution ratio up to 1:200

Internal Bar Code Reader (optional):

Used for sample and reagent programming Applicable to various bar code systems of

Codabar, ITF (Interleaved Two of Five), code128, code39,

UPC/EAN, Code93

Capable to communicate with LIS in

bi-directional mode

ISE Module (optional):

Measuring K+, Na+, CI⁻

Optical System:

Light Source: Halogen-tungsten lamp Photometer: Grating system, reversed optics

Wavelength: 12 wavelengths, 340nm, 380nm, 412nm, 450nm,

505nm, 546nm, 570nm, 605nm, 660nm, 700nm,

740nm and 800nm

Absorption range: 0~3.3Abs (10mm conversion)

Resolution: 0.0001Abs

Reaction System:

Reaction rotor: Rotating tray, containing 80 cuvettes Cuvette: Reusable, optical length 5mm

150~500µl Reaction volume: 37°C Reaction temperature: Temperature fluctuation: ±0.1°C

Mixing System: Independent mixing bar

Cuvette Washing: 8-step washing station with pre-warmed detergent

and water

Control and Calibration:

Calibration mode: Linear (one-point, two-point and multi-point),

> Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola

Control software: Westgard multi-rule, Cumulative sum

check, Twin plot

Operation Unit:

Windows® XP Professional/Home SP2 or above Operation system:

Windows® 7

RS-232 Interface:

Working Conditions:

Power Supply: AC 200~240V, 50/60Hz, ≤1500VA or

AC 100~130V, 50/60Hz, ≤1500VA

Temperature: 15-30°C for operation

Humidity: 35-85% RH Water consumption: ≤4.5L/hour

860mm (W) x700mm (D) x625mm (H) Dimension:

Weight: 130 Kg

DISTRIBUTOR:











mindray