BS-240Pro
Chemistry Analyzer

Technical Specifications

System function

Automatic, Discrete, Random Access, Bench-top

STAT sample priority

Throughput:	Constant 240 photometric tests per hour, up to 400 T/H with ISE
Measuring principles:	Absorbance photometry, turbidimetry, ion selective electrode technology
Methodology:	End-point, Fixed-time, Kinetic, optional ISE, Single/Double reagent chemistries, Mono-chromatic / bi-chromatic

Original system pack reagent ready to use

Close system and open system is optional

Reagent/Sample Handling

Reagent/Sample tray:	50 to 100 positions for reagents and 50 to 100 positions for samples in 24-hour refrigerated compartment (2~12°C)
Reagent volume:	R1: 100~200μL, step by 0.5μL R2: 10~200μL, step by 0.5μL
Sample volumne:	2~35μL, step by 0.1μL
Reagent/Sample probe:	Liquid level detection, horizontal and vertical collision protection, inventory checking, reagent pre-warming, optional clog detection
Probe cleaning:	Automatic washing for interior and exterior Carry over < 0.05%
Automatic sample dilution:	Pre-dilution and post-dilution
Mixing Unit:	Independent mixing bar

Built-in Bar Code Reader (Optional)

Used for sample and reagent programming

Be 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

Reaction System

Reaction tray:	80 reusable cuvettes
Reaction volume:	100~360μL
Reaction temperature:	37°C ± 0.1°C
Cuvette Washing:	Washing station with pre-warmed detergent and de-ionized water

ISE Module (optional)

Measuring K+, Na+, Cl-

Optical System

Light Source:	Halogen-tungsten lamp
Wavelength:	12 wavelengths, 340nm, 380nm, 412nm, 450nm, 505nm, 546nm, 570nm, 605nm, 660nm, 700nm, 740nm, 800nm
Absorption range:	0~3.5Abs, resolution 0.0001Abs
Stray Light:	4.9Abs

Control and Calibration

Calibration modes:	K factor, Linear (two points and multi-points), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola, Logit-Log3P, Broken line One key calibrator import function
Control Rules:	Westgard multi-rule, Levey-Jennings, Cumulative sum check, Twin plot

Operation Unit

Operation system:	Windows 10
Interface:	RS-232

Working Conditions

Power Supply:	200~240V, 50/60Hz, ≤1300VA or 100~130V, 60Hz, ≤1300VA
Dimension:	860 mm (length) × 660 mm (depth) × 550 mm (height)
Weight:	115 kg
Water Consumption:	≤6.5 L/H

mindray

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Compact yet Robust

mindray
healthcare within reach