

BS-300

Chemistry Analyzer

Technical Specifications

System Function:

	Automatic, Discrete, Random Access STAT sample priority
Throughput:	300 tests/hour, up to 480 tests/hour with ISE
Measuring principles:	Absorbance photometry, Turbidimetry
Methodology:	End-point, Fixed time, Kinetic, Single/Dual reagent chemistries, Monochromatic/Bichromatic, Linear/Non-linear multipoint calibration
Programming:	User defined profiles and calculation chemistries

Sample Handling:

Sample tray:	60 positions for primary or secondary tubes sample cup
Sample volume:	3~45ul, step by 0.5ul
Sample probe:	Liquid level detection and collision protection
Probe cleaning:	Internal and external washing carry over < 0.1%
Automatic sample dilution:	Pre-dilution and post-dilution Dilution ratio up to 150 Dilution vessel: Cuvette

Internal Bar Code Reader:

Used for sample programming
Be applicable to various bar code systems of code 128,
code 39, code 93, codabar, ITF, UPC/EAN
Capable to link with LIS bi-directional

ISE Module

Optional selection for K^+ , Na^+ , Cl^- / K^+ , Na^+ , Cl^- , Li^+
Throughput: Up to 180 or 240 tests per hour

Reagents Handling:

Reagent tray:	50 positions in refrigerated compartment (4~10°C)
Reagent volume:	30~450ul, step by 1ul
Reagent probe:	Liquid level detection and collision protection reagent pre-heat and inventory checking
Probe cleaning:	Internal and external washing carry over < 0.1%

Reaction System:

Reaction rotor:	Rotating tray, 80 disposable cuvettes with automatic loading
Cuvette:	Optical length 5mm
Reaction volume:	180~500ul
Operating temperature:	37± 0.1°C
Mixing:	Independent mixer

Optical System:

Light Source:	Halogen-tungsten lamp
Photometer:	reversed optics, static fiber spot photometry
Wavelength:	340, 405, 450, 510, 546, 578, 630, 670, 700nm
Resolution:	0.001Abs

Control and calibration:

Calibration mode:	Linear (one point, two points and multi-points), Logit-Log 4P, Logit-Log 5P, Spline Exponential 5P, Polynomial 5P, Parabola
Control software:	X-R, L-J, Westguard multi-rule, Cumulative sumcheck, twin plot

Operation Unit:

Operation system:	Windows XP
Interface:	RS-232

Working Conditions:

Power Supply:	200 - 240V~50/60Hz, 1000W or 100 - 130V~50/60Hz, 1000W
Temperature:	15-30°C
Humidity:	35-80%
Water consumption:	3L/hour De-ionized
Dimension:	980mm x 710mm x 1200mm (W x D x H)
Weight:	175kg



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