

XL-200

THE IDEAL WORKHORSE FOR YOUR LABORATORY

Automated Bench Top Random Access Clinical Chemistry Analyzer



- ★ Throughput upto 360 Tests /hour
- ★ Permanent Hard Glass Cuvettes
- ★ Direct ISE measurement for Na/K/Cl (Optional)
- ★ Primary Tube Sampling with Barcode (Optional)
- ★ Cooled Reagent Tray with 50 on board positions
- ★ Probes with Vertical Obstruction Detection facility
- ★ Dual Reagent Compatibility
- ★ Low Reagent/Test consumption
- ★ Extensive Quality Control Menu

Technical Specifications:

System type :	Automated, Discrete, Bench Top random access Clinical Chemistry System
Throughput :	360 tests per hour (with ISE) / 200 biochemistry tests per hour (without ISE)
On board tests :	47 items Max
Programmable : Parameters	96 photometric tests, 40 calculation items
Analytical Methods :	1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry (ISE)
Calibration :	Linear, Non-Linear, Multi Point
Sample Disk :	Outer ring: 15 positions for routine patient samples Middle ring: 15 positions for routine patient samples (including 5 positions for STAT) Inner ring: 9 Positions for blanks, controls, standards & ISE solutions
Sample Pipetting :	2-70 ul (adjustable in 0.2 ul step)
Sample Tubes / Cups:	Primary tubes of 5, 7, 10 ml and sample cups
Barcode Reader: (optional)	Both for Sample and Reagent trays
Reagent Tray :	Cooled with 25 positions for 20ml bottles and 25 positions for 50ml bottles (Total 50 positions of which 3 positions are reserved for diluents and wash solution)
Reagent Pipetting :	Reagent 1: 50 – 300 ul (adjustable in 1 ul step) Reagent 2: 0 or 10 – 200 ul (adjustable in 1 ul step)
Reaction Tray :	45 Hard Glass Cuvettes maintained at 37 ± 0.2 °C
Reading Volume :	200 ul
Quality control :	Levy Jennings Quality control program
Utility programs :	Detergent / Reagent Wash, Probe Wash, Cuvette Skipping, & Forbidden Pairs.
Photometry :	Monochromatic and Bi-chromatic measurements with 8 filters; 340, 405, 450, 505, 546, 578, 630, and 670 nm
Absorbance range:	0 - 2.5 Abs
Light source :	Halogen lamp (12V/20W)
Detector :	Static, Silicon photo-diodes
Water Consumption :	Upto 6 ltrs per hour
System interface :	RS-232C bi-directional for a Pentium IV or higher PC Interface
Power Requirement :	AC 110 V \pm 10%, 60 \pm 1 Hz or AC 220 V \pm 10%, 50 \pm 1 Hz (factory set) / 600 VA (excluding PC/Printer/Monitor)
Dimensions :	Approximately 700 mm (W) x 700 mm (D) x 550 mm (H)
Weight :	Approximately 110 kg

Note: Above Specifications subject to change without prior notice

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