



XL-640

Making Automation Affordable for
Labs Everywhere



Fully Automatic Clinical
Chemistry Analyzer

400 Photometric tests/hour
640 tests/hour with ISE

Clinical Chemistry Analysis
Easily, Quickly, Efficiently



TECHNICAL SPECIFICATION

System type	Automatic clinical chemistry analyzer – open, random access system, STAT samples processing
Throughput	400 photometric tests/hour 640 tests/hour with ISE
Simultaneous measurement items	Max. 45 photometric tests + 4 ISE
Sample type	Serum, plasma, urine, CSF
No. of programmable parameters	96 photometric tests, 40 calculation items and 4 ISE parameters
Assay method	End-point, kinetic, ISE (direct potentiometry)
Calibration type	Linear (one point, multi point), exponential, polynomial, factor
Optical system	Halogen lamp, 12 wavelengths: 340, 376, 415, 450, 480, 505, 546, 570, 600, 660, 700 and 750 nm (diffraction grating)
Reagent Tray	56 refrigerated positions (8-12°C) 5, 20, 50 ml reagent containers
Sample Tray	80 positions Outer ring – 50 position for samples Inner ring – 30 positions for blanks, standards, calibrators, controls and ISE solutions
Reagent dispensing	2 independent dispensing probes with liquid-level sensor Dispensed volumes: R1 50 – 300 µl with 1 µl step R2 10 – 300 µl with 1 µl step
Minimal reaction volume	180 µl
Reaction tray	72 reusable hard glass cuvettes, optical path length 5 mm
Mixing system	2 independent stirrers, 3 mixing speeds
QC	Levey-Jennigs graphs, Westgard rules
Barcode reader	Built-in barcode reader
Water consumption	Max. 13 l/hod.
PC requirements	Operating system: MS Windows XP or MS Windows 7, Pentium 4, RAM 512 MB, HDD 200 GB, resolution 1024 x 768
Power supply	220 V ± 10 %, 50 Hz ± 5%, 1 000 VA
Dimensions, weight	910 (w) x 780 (d) x 1 160 (h)
Backup	Complete or selected data



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Specifications are subject to change without prior notice.

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