

XL-600

Automated Random Access Clinical Chemistry Analyzer

TECHNICAL SPECIFICATIONS*

System	: Automated, Discrete, Random Access, Patient Prioritised, Clinical Chemistry Analyzer
Throughput	: 600 Tests / Hour (with ISE) / 360 Bio-chemistry Tests / Hour (without ISE)
On-line tests	: Maximum 50 + 3 ISE options
Programmable Parameters	: Upto 95 Photometric Tests, 10 Formulae, Serum Indices & 3 ISE tests (Na, K, Cl)
Assay modes	: 1 - Point, 2 - Point, Rate - A & Rate - B
Calibration	: Linear, Non-linear Multipoint
Sample tray	: Outer ring : 50 positions for patient samples, including 5 positions for STAT Inner ring : 20 positions for Standards, 2 Blanks, 8 Controls & 2 ISE solutions
Emergency	: Separate disk with 20 STAT positions may be replaced with inner ring
Sample cups	: Primary tubes of 5, 7 or 10 ml & Sample cups
Barcode reader (optional)	: Both for sample and reagent trays
Reagent tray	: Peltier cooled with 50 positions
Reagent pipetting	: 10-300 µl, steps of 1 µl. Possibility of 1 or 2 reagent tests
Sample pipetting	: 2-60 µl steps of 0.2µl
Reagent bottles	: 20 ml, 50 ml & Special adapter for 5 ml bottles
Reaction disk	: 60 Permanent Individual Hard Glass Cuvettes
Photometry	: Mono & Bi-chromatic Measurements with Multi-wavelength diffraction grating with 12 wavelength options (340, 376, 415, 450, 480, 505, 546, 570, 600, 660, 700 & 750 nm)
Reading Volume	: 200 µl
Auxiliary data storage	: 100,000 results
Interface	: RS 232
Power Supply	: 110/220 V +/- 10%, 50/60 Hz, 1.5 KVA
Computer (requirements)	: Pentium-IV with colour monitor, CD Drive, 256 MB RAM & Printer [#]
Ambient Operating temperature	: 20-30 C
Ambient Operating Humidity	: 20-85% Non condensing
Water consumption	: Upto 8 ltrs/hour
Dimension	: 840 (W) x 610(D) x 1100 (H) mm
Weight	: Max. 150 kgs. (Main unit with CPU)

* Specifications subject to change without prior notice

[#] Optional Accessories

XL-600

Automated Random Access Clinical Chemistry Analyzer



ERBA diagnostics Mannheim GmbH

Mallaustrasse 69-73, 68219 Mannheim / Germany

• Tel.: (+49) 0621 8799770 • Fax: (+49) 0621 8799688

• Email: sales@erbamannheim.com • Website: www.erbamannheim.com



XL-600 ...The Chemistry Analyzers for Today's Laboratory....

Product Features

Throughput upto 600 tests / hour

Direct ISE measurement for Na / K / Cl

Cooled reagent tray to hold 50 bar coded bottles

Probes with Vertical Obstruction Detection facility

Primary tubes sampling with bar coding

Economical 200 µl reagent consumption / test

Permanent hard glass cuvettes



Capability to perform 2 reagent tests

2 Position Mixer (Stirrer)

Reagent Pipettors (R1 & R2)

Sample Pipettor

60 Position Cuvette Rotor

50 Position Reagent Tray



7 Stage Laundry System

ISE Module for Na / K / Cl

50 Position Sample Disk

Sample Disk Flexibility and Convenience



- Specially designed "Twin layered" sample disk provides unmatched flexibility and convenience.
- Sample disk accommodates standard tubes of 5, 7 or 10ml & sample cups.

Reagent Tray Wide Choice of on-board tests



- Offers a wide choice of 50 different on-board tests.
- Wide choice of on board reagents which are cooled to ensure extended stability.
- Eliminates the need for sample splitting and cuts down turn around time of reporting.

Economy Quick Returns without compromise



- Uses permanent individual hard glass cuvettes,
- Eliminates recurring costs associated with disposable cuvettes. Reagent consumption of 200 µl / test, maximizes the number of tests per reagent bottle.
- De-ionized water consumption of just 8 ltrs / hour Saves pre-installation costs of on line de-ionizer plant.

Bar Code.... Positive Identification

- Bar coded reagents and sample identification minimizes programming time.
- Bar coded sample tubes provide positive sample identification and minimize risk of biological hazards.

Optical System.... Ensures reliability of results

- Uses high resolution, flat filed, optically corrected diffraction grating to ensure high degree of photometric accuracy.
- User can select from 12 available wavelengths, between 340 - 750 nm to cover all clinical chemistry applications.
- Long life light source, diffraction grating and diode array detector completes the photometric.