

# XL-600

**Erba**  
Mannheim



***Automated Random Access Clinical Chemistry Analyzer***

*L-600 designed with the needs of modern clinical laboratories in mind, easily fits into any laboratory environment ...*

**1** 7 Stage Laundry System

**2** 2 Position Mixer (Stirrer)

**3** Reagent Pipettors (R1 & R2)

**4** Sample Pipettor

**5** 60 Position Cuvette Rotor

**6** 50 Position Reagent Tray

**7** 50 Position Sample Disk

**8** ISE Module for Na / K / Cl

- ✓ Throughput of 600 tests / hour
- ✓ Permanent hard glass cuvettes
- ✓ Direct ISE measurement for Na / K / Cl
- ✓ Primary tubes sampling with bar coding
- ✓ Cooled reagent tray to hold 50 bar coded bottles
- ✓ Probes with **V**ertical **O**bstruction **D**etection facility
- ✓ Economical 200 µl reagent consumption / test
- ✓ Capability to perform 2 reagent tests



\*May not be part of standard supply

### The XL-600 sample disk...

## Flexibility and Convenience

Specially designed "Twin layered" sample disk of XL-600 provides unmatched flexibility and convenience. The sample disk accommodates standard tubes of 5, 7 or 10ml & sample cups.



### The XL-600 reagent tray....

## Wide Choice of on-board tests

XL-600 offers a wide choice of 50 different on board tests. Reagents are cooled to ensure extended stability. Wide choice of on board reagents eliminates the need for sample splitting and cuts down turn around time of reporting.



### The XL-600 economy....

## Quick Returns without compromise

XL-600 uses permanent individual hard glass cuvettes, thereby eliminating recurring costs associated with disposable cuvettes. Reagent consumption of 200  $\mu$ l / 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.



### The XL-600 bar code....

## Positive Identification

The bar coded reagents and sample identification minimizes programming time. Bar coded sample tubes provides positive sample identification and minimizes risk of biological hazards.

### The XL-600 optical system....

## Ensures reliability of results

XL-600 uses a high resolution, flat filed, optically corrected diffraction grating to ensure high degree of photometric accuracy. The user can select from 12 available wavelengths, between 340 - 750 nm to cover all clinical chemistry applications. A long life light source, diffraction grating and diode array detector completes the photometric system of XL-600.



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## UNIQUE FEATURES

- **Vertical Obstruction Detection (VOD)** system of XL-600 detects obstructions and protects probe needles from damage.
- **Unique soft start and stop** of all mechanical assembly including reagent / sample probes & rotors. Ensures perfect alignment of all assemblies.
- **Level detection facility** of probes ensures accurate level sensing.

## TECHNICAL SPECIFICATIONS

<b>System</b>	: Automated, Discrete, Random Access, Patient Prioritised, Clinical Chemistry Analyzer
<b>Throughput</b>	: 600 Tests / Hour (with ISE) / 360 Bio-chemistry Tests / Hour (without ISE)
<b>On-line tests</b>	: Maximum 50 + 3 ISE options
<b>Programmable Parameters</b>	: Upto 95 Photometric Tests, 10 Formulas, Serum Indices & 3 ISE tests (Na, K, Cl)
<b>Assay modes</b>	: 1 - Point, 2 - Point, Rate - A & Rate - B
<b>Calibration</b>	: Linear, Non-linear Multipoint
<b>Sample tray</b>	: 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
<b>Sample cups</b>	: Primary tubes of 5, 7 or 10 ml & Sample cups
<b>Barcode reader (optional)</b>	: Both for sample and reagent trays
<b>Reagent tray</b>	: Peltired cooled with 50 positions
<b>Reagent pipetting</b>	: 10-300 µl steps of 1 µl Possibility of 1 or 2 reagent tests
<b>Sample pipetting</b>	: 2-60 µl steps of 0.1 µl
<b>Reagent bottles</b>	: 20 ml, 50 ml & Special adapter for 5 ml bottles
<b>Reaction disk</b>	: 60 Permanent Individual Hard Glass Cuvettes
<b>Photometry</b>	: 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)
<b>Reading Volume</b>	: 200 µl
<b>Auxiliary data storage</b>	: 100,000 results
<b>Interface</b>	: RS 232
<b>Power Supply</b>	: 110/220 V +/- 10%, 50/60 Hz, 1.0 KVA
<b>Computer (requirements)</b>	: Pentium-IV with colour monitor, CD Drive, 256 MB RAM & Printer
<b>Ambient Operating temperature</b>	: 20-30°C
<b>Ambient Operating Humidity</b>	: 20-85% Non condensing
<b>Water consumption</b>	: Upto 8 ltrs/hour
<b>Dimension</b>	: 840 (W) x 610(D) x 1100 (H) mm
<b>Weight</b>	: Max. 150 kgs. (Main unit with CPU)

\* Specifications subject to change without prior notice

Manufactured at



Facilities



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