

TECHNICAL SPECIFICATION*

Throughput	: 200 photometric tests per hour and 400 tests per hour with ISE* (Optional ISE with Na ⁺ , K ⁺ , Cl ⁻ , Li ⁺)
System Type	: Discrete, Open, Automated, Random Access, Patient Prioritized Clinical Chemistry Analyzer.
Onboard Parameters	: upto 50 + 4 ISE*
Sample Type	: Serum, Plasma, Urine, CSF, HbA1c using Whole Blood*
Programmable Parameters	: Unlimited
Analytical Methods	: 1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry
Calibration	: Linear, Non-Linear, Multipoint
Photometer	: Static Photometer
Absorbance Range	: 0-3.0 Absorbance
Light Source	: Halogen Lamp 12 V/ 20 W
Optics	: 8 Filters (340-700nm) 340, 405, 505, 546, 578, 600, 660, 700nm.
Detector	: 8 Silicon photo diodes
Sample Unit	: 39 positions for samples/ blank/ calibrator / control & STAT sample.
Reagent Unit	: 50 cooled reagent positions
Quality Control	: QC Plot and data with QC rules
Reaction Tray	: 45 Hard glass Cuvettes
Reaction Liquid Mixing	: Stirrer with variable speed Mixer
Reading Volume	: 180 µl.
On board laundry	: 6 stage cleaning, 2 stage Drying with Cuvette validation step
Sample Pipetting	: 2-70 µl (Adjustable in 0.1 µl)
Reagent Pipetting	: 10-300 µl (adjustable in 1 µl)
PC Configuration	: OS-Windows 7 embedded or higher, CPU -P4 or higher, RAM 2GB, HDD - 80GB, USB connectivity
Power supply	: AC 110 V.+/- 10% 60±1 Hz or AC 220 V ± 10%,50± Hz.(Factory Set)/600VA
Water Consumption	: Upto 7.5 ltrs per hour
Hibernate	: Enhances Lamp life and Pump life
Dimensions	: 810 mm(W) x 800 mm(D) x 600 mm(H)
Weight	: 130 Kg

* Using onboard lyse features supported by XL 200

* Specifications subject to change without prior notice

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XL200

Automatic Clinical Chemistry Analyzer



ver 1.0/2015

Optimal solution
for small and medium
laboratories



XL200

Available automation of clinical chemistry analysis

DISPENSING OF SAMPLES AND REAGENTS

- Sample volume: 2-70 µl (in 0,1 µl step)
- Reagent volume: R1 50-300 µl (in 1 µl step), R2 10-200 µl (in 1 µl step)
- Dispensing probe equipped with liquid -level sensor and crash detector
- Auto-dilution of samples and calibrators

ECONOMY

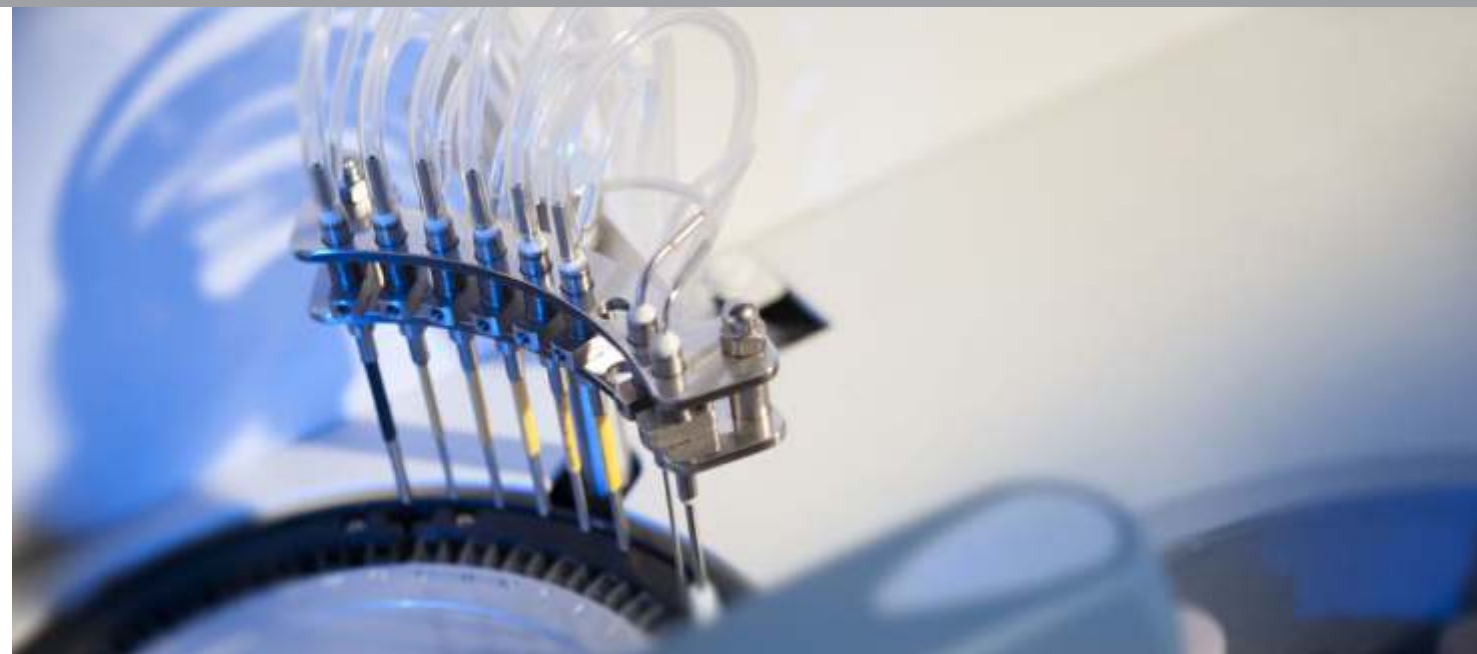
- Minimum reaction volume: 180 µl
- Reusable reaction cuvettes

MIXING SYSTEM

- Independent stirrer
- 3 user selectable mixing speeds

QUALITY CONTROL

- 4 levels of control material can be used
- Levey-Jennings graphs
- Twin Plot diagrams for monitoring of systematic and random error



REAGENT TRAY

- 50 positions, 20 ml, 50 ml reagent containers, 5 ml tube (with adaptor)
- Reagent compartment with Peltier/air cooler (8-12°C)
- Option to use one reagent for several tests simultaneously

SOFTWARE

- Convenient user interface
- Connection to LIS
- Statistical methods of processing results
- Data export in selected format

REACTION UNIT

- 45 reusable hard glass cuvettes
- Possibility of replacement of individual cuvette
- Wash station cuvette rinsing and drying in 8 steps
- Automatic cuvette blank measurement before analysis
- Reaction temperature 37°C ± 0,2°C

SAMPLE TRAY

- 39 positions for samples, blanks, standards, calibrators, controls and ISE solutions
- Primary tubes 5, 7 and 10 ml and cups
- STAT sample with priority in any position
- Possibility of programming up to 99 virtual trays



MEASUREMENT MONITORING

- Color indication of sample analysis
- Possibility of monitoring the reaction in real time
- Reagent volume monitoring
- Informative reports on ongoing analyzer status

