

## TECHNICAL SPECIFICATIONS

System type	Discrete, open, automated, random access, patient prioritized, 1 or 2 Reagent, Bench top system
Throughput	180 Photometric tests/hour & 400 tests/hour with ISE (optional)
Assay modes	1-Point, 2-Point, Rate-A, Rate-B, Direct potentiometry
Onboard tests	42 test items maximum + 4 ISE (optional Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> , Li <sup>+</sup> ) 25 positions fixed for Reagents 15 flexible (Reagent/Sample) 2 Rgt/Dil positions at Room Temperature
Programmable parameters	Unlimited test parameters Unlimited calculation items Unlimited Profiles
Sample container	Primary tube 7 ml (14.5 x 84 mm) or 5 ml (13 x 75 mm) Cup: Standard cup 2 ml Adaptors will be provided for all types.
Sample volume	2-70 µl (adjustable in 0.1 µl step) 180 µl
Reaction volume	10-300 µl (adjustable in 1 µl step)
Reagent dispensing	Multi-wavelength static photometer
Photometric system	8 wavelengths (340, 405, 505, 546, 578, 600, 660 & 700 nm)
Wavelengths	Separate dedicated mixer -3 Levels Slow/Medium/High
Mixers	Vertical obstruction detection
Safety mechanism	Capacitance based liquid level sensing Unlimited number of controls
QC menu	Sample cum Reagent tray: Max No of Samples: 25 Nos Fixed Sample Position: 10 Nos Flexible Sample/Reagent position 15 Nos.
Sample placement	Approx 1.8 liters/hour To be placed in any of the 25 positions on the outer rim
Water consumption	Reaction tray : Semi Disposable PMMA Rotor
STAT samples	Number of reaction cuvettes : 120 with 5 mm path length
Reaction unit	675 (W) x 450 (D) x 300 (Working H) mm Approximately 65 Kg
Dimensions	AC 220 V+ 10%, 50/60 Hz or AC 110 V + 10% 50/60 Hz. (600 VA including PC & Printer)
Weight	
Power supply	

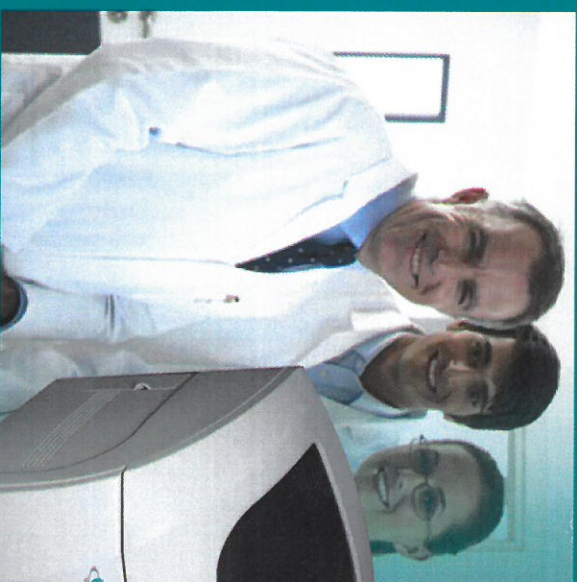
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# XL-180

Fully Automated Random  
Access Clinical Chemistry Analyzer



New

Destined to win

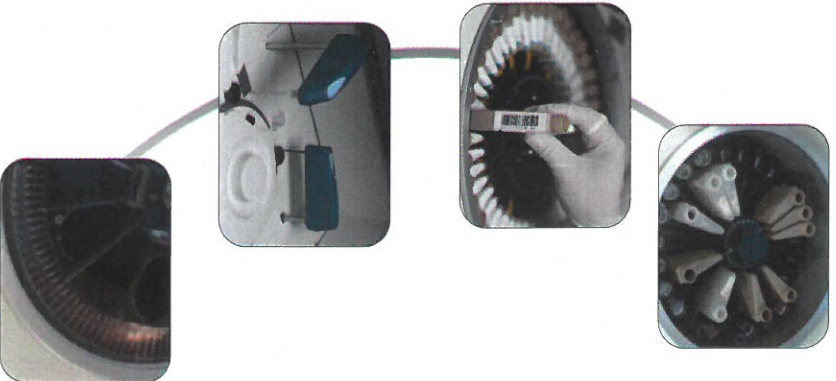


## Advanced HARDWARE

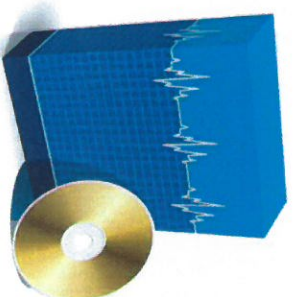


**XL-180** is the comprehensive solution for your clinical diagnostic needs. It is designed to offer you the convenience, flexibility in operations and good quality reports. Rugged architecture, precise optical system, distinct features makes it a right analyzer for you.

- Fully automated, Random access, Discrete Clinical Chemistry Analyzer.
- Complete open system provides flexibility to program infinite protocols.
- Throughput of 180 photometric tests/hour & 400 tests/hour with ISE (optional).
- Requires only 180 µl reagent volume with sapphire syringe.
- Onboard cooling for reagents.
- Primary tube sampling with option of sample cup.
- Static photometer with 8 multi-Wavelengths ranging from 340 to 700 nm.
- Probe with pre-heating facility.
- Dedicated mixer with variable speed: Low, Medium and High.
- Inbuilt Barcode reader for samples and reagents.
- Re-usable cuvettes.

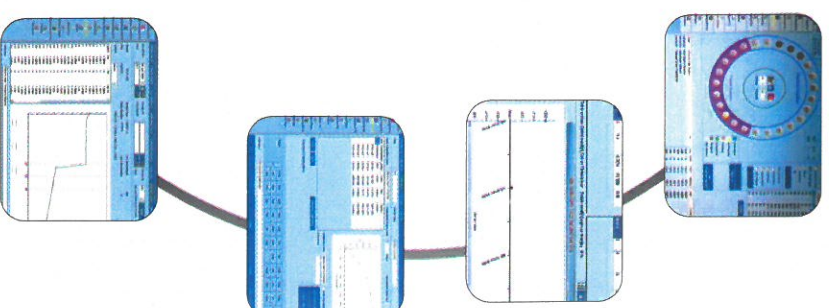


## User-Friendly SOFTWARE



**XL-180** comes with a simple, easy to operate yet efficient software. The instrument is piloted by a powerful software which guides the system through all the steps of the assay procedure, optimizes faster processing of samples & graphically represents the data.

- Probe with vertical obstruction detection, liquid level sensing.
- Multiple assay modes: 1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry (optional).
- Multiple calculation modes such as linear, non-linear, multipoint etc.
- Extensive Q.C Program Levy-Jenning curve and QC rules.
- Unlimited data storage.
- Windows operating mode with intuitive user interface.
- Lamp saving facility enhances lamp life.
- Real time monitoring of reaction curve.
- Auto dilution and auto rerun facility.
- Flexibility for STAT samples.
- Wide test menu: routine chemistry, special chemistry, Immunoturbidimetric tests & ISE (optional).
- Direct patient reportable format and printout with user defined option.



# Upgrade your lab with **XL-180**