

TECHNICAL SPECIFICATIONS

SYSTEM TYPE

Discrete, automated, random access, patient prioritized, 1 or 2 Reagent, Bench top system

THROUGHPUT

180 Photometric tests/hour & 360 tests/hour with ISE (optional)

ASSAY MODES

1-Point, 2-Point, Rate-A, Rate-B, Direct Potentiometry

ONBOARD TESTS

Up to 42 photometric tests
+ 4 ISE (optional; Na, K, Cl, Li)
25 positions fixed for Reagents
15 flexible (Reagent/Sample)
2 Rgt/Dil positions at Room Temperature

PROGRAMMABLE PARAMETERS

Unlimited test parameters
Unlimited calculated tests
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)

REACTION VOLUME

180 µl

REAGENT DISPENSING

10-300 µl (adjustable in 1 µl step)

PHOTOMETRIC SYSTEM

Multi-wavelength static photometer

WAVELENGTHS

8 wavelengths (340, 405, 505, 546, 578, 600, 660 & 700 nm)

MIXERS

Separate dedicated mixer
-3 Levels Slow/Medium/High

SAFETY MECHANISM

Vertical obstruction detection
Capacitance based liquid level sensing

QC MENU

Unlimited number of controls

STAT SAMPLES

To be placed in any of the 25 positions on the outer rim

SAMPLE HANDLING

Sample/Reagent Tray
Max no of samples: 25
Fixed sample positions: 10
Flexible S/R positions: 15

WATER CONSUMPTION

Approx 1.8 liters/hour

REACTION UNIT

Reaction tray:
Semi Disposable PMMA Rotor
Number of reaction cuvettes:
120 with 5 mm path length

POWER SUPPLY

AC 220 V.+ 10%, 50/60 Hz
or AC 110 V + 10% 50/60 Hz
(600 VA including PC & Printer)

DIMENSIONS

675 mm (w)
x 450 mm (d)
x 300 mm (Working h)

WEIGHT

65 kg



CLINICAL CHEMISTRY ANALYSER.
AFFORDABLE.
RELIABLE.
EFFECTIVE.



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS

Version No 1.1

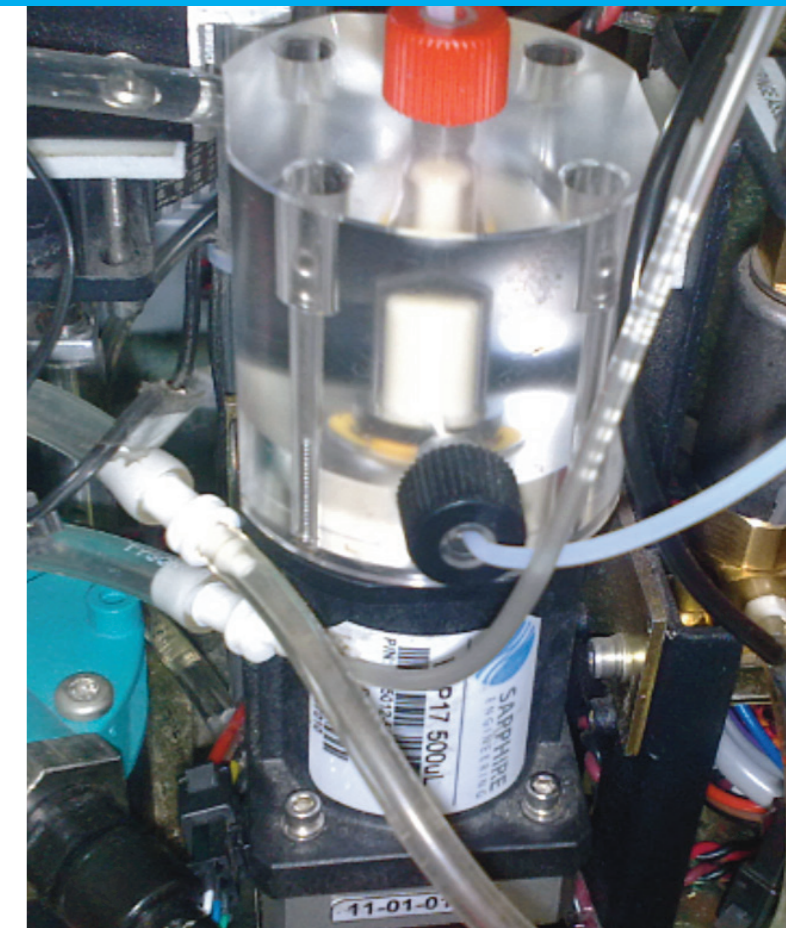
XL180
FULLY AUTOMATIC CLINICAL
CHEMISTRY ANALYSER

XL180

- Fully automated, Random access, Discrete Clinical Chemistry Analyser
- Complete system provides flexibility to program infinite protocols
- Throughput of 180 photometric tests/hour & 360 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
- 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 function 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, Immunospectrometric tests & ISE (optional)
- Direct patient reportable format and printout with user defined option

Advanced HARDWARE

XL-180 is the comprehensive solution for your clinical diagnostic needs. It is designed to offer you the convenience and flexibility in operation and good quality reports. Its rugged architecture, precise optical system and distinct features, make the XL 180 a trusted solution for small to medium size labs.



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.

