



XL-180

Fully Automated Random
Access Clinical Chemistry Analyzer



Confidence in Medical Diagnostics

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 ⁺ , 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 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)
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
Sample placement	Sample cum Reagent tray: Max No of Samples: 25 Nos Fixed Sample Position: 10 Nos Flexible Sample/Reagent position 15 Nos.
Water consumption	Approx 1.8 liters/hour
STAT samples	To be placed in any of the 25 positions on the outer rim
Reaction unit	Reaction tray : Semi Disposable PMMA Rotor Number of reaction cuvettes : 120 with 5 mm path length
Dimensions	675 (W) x 450 (D) x 300 (Working H) mm
Weight	Approximately 65 kg
Power supply	AC 220 V.+ 10%, 50/60 Hz or AC 110 V + 10% 50/60 Hz. (600 VA including PC & Printer)



Exclusively distributed by **MEDTEK**

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