

## TECHNICAL SPECIFICATIONS



# EM DESTINY 180

Fully Automated Random Access Clinical Chemistry Analyzer



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, Potentiometry (optional)
Onboard tests	42 test items maximum + 4 ISE (optional Na <sup>+</sup> , K <sup>+</sup> , Cl <sup>-</sup> ) 25 positions fixed for Reagents 15 flexible (Reagent/Sample) 2 Rgt/Dil positions at Room Temperature
Programmable parameters	Default System packs Parameters + upto 10 user defined parameters
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 n.m.)
Absorbance Range	0 - 3.0 OD
Mixers	Separate dedicated mixer -3 Levels Low/Medium/High
Safety mechanism	Vertical obstruction detection and liquid level sensing
QC menu	Unlimited number of controls
System interface	Bi-directional through USB
Computer requirements	OS - Windows based
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	Around 4 litres/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
Dimensions	675 (W) x 450 (D) x 300 (Working H) mm
Weight	Approximately 65 kg
Power supply	AC 220 V +/- 10%, 50 ± 1 Hz or AC 110 V ± 10%, 60 ± 1 Hz, 600VA (Including PC / Printer / Monitor)

*Specifications subject to change without prior notice.*

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# Destined to win



## Advanced **HARDWARE**



EM Destiny 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.

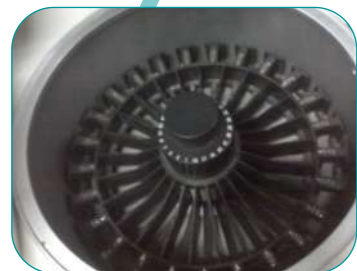
## User-Friendly **SOFTWARE**



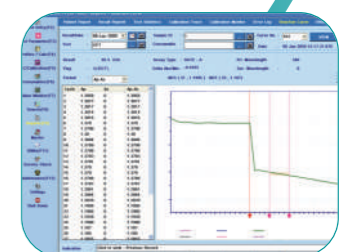
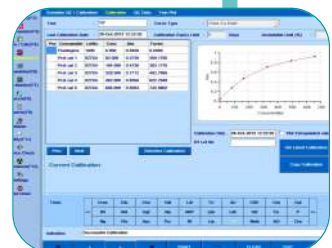
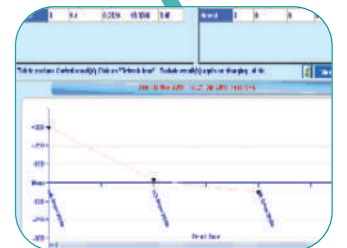
EM Destiny 180 comes with a simple, easy to operate yet efficient software. The instrument is piloted by a powerful software which guides the system through all the steps of the assay procedure, optimizes faster processing of samples & graphically represents the data.



- Fully automated, Random access, Discrete Clinical Chemistry Analyzer
- Throughput of 180 photometric tests/hour & 360 tests/hour with ISE (optional)
- Requires only 180 µl reagent volume
- Onboard cooling for reagents
- Primary tube sampling with option of sample cup
- Static photometer with 8 multi-Wavelengths ranging from 340 to 700 n.m.
- Probe with pre-heating facility
- Dedicated mixer with variable speed: Low, Medium and High
- Inbuilt Barcode reader for reagents and samples



- Re-usable cuvettes
- Probe with vertical obstruction detection, liquid level sensing
- Multiple assay modes: 1-Point, 2-Point, Rate-A, Rate-B, 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 based
- 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, Immunturbidimetric tests & ISE (optional)
- Direct patient reportable format and printout with user defined option



Upgrade your lab with **EM DESTINY 180**