

# Sys 240<sup>pro</sup>

Technical Specifications	
Analytical System	Fully automated, discrete, random-access clinical chemistry system with STAT capability
Analytical Principle	Absorbance Photometry, Turbidimetry, Ion selective electrode technology (Optional)
Assay Type	End Point, Fixed Time, Kinetic, ISE (Optional)
Test Menu Applications	Photometric Tests, Serum Indices (LIH), HbA1c and ISE (Optional)
Throughput	Constant 240 Photometric Tests/Hour; up to 400 Test/Hour with ISE (Optional)
Sample Types	Serum, Plasma, Urine, Whole Blood & Other fluids
Sample Capacity	50 positions for samples, continuous loading, any position can be used as STAT, CAL & QC.
Sample Volume	2 µL - 35 µL with step by 0.1 µL
Reagent/Sample Probe	LLD, Horizontal & Vertical collision protection, Inventory checking, Reagent Pre-warming, Clot Detection.
Sample Barcode Format	Codabar, ITF, Code 128, Code 39, UPC/EAN, Code 93.
Reagent Capacity	50 Positions for (R1+R2, Detergent position) refrigerated 2°C-12°C.
Reagent Volume	100 µL - 200 µL with step by 0.5 µL
Reaction Cuvettes	80 Reusable cuvettes
Reaction Temperature	37°C ± 0.1 °C
Photometric Range	0-3.5 Abs with resolution 0.0001 Abs
Wavelengths	12 Wavelengths, 340nm, 380nm,412nm, 450nm, 505nm,546nm, 570nm, 605nm, 660nm, 700nm, 740nm, 800nm.
Calibration	K-Factor, Linear (Two points and multipoint), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola, Logit-Log 3P, Broken Line
Quality Control	Westgard multi-rule, Levey Jennings, Cumulative sum check, Twin plot.
Online	Uni & Bi-Directional host query communications
Installation Requirements	
Dimensions (mm) & Weight (Kg)	860mm (length) x 660mm (depth) x 550mm (height); 115 Kg.
Power Supply	200-240V,50/60Hz,≤1300VA
Water Consumption	≤ 6.5 L/H

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RISE ABOVE LIMITS



Total clinical chemistry solution for mid size laboratories  
Flexible | Efficient | Compact

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## SMART Probe

Stainless steel probe equipped with liquid level detection (LLD), horizontal and vertical crash sensor, clot detection



## Waterfall Washing Station

To ensure the complete outside surface washing of probe.

High pressure warm water flow ensure complete inside surface washing of probe ensures carryover < 0.5%



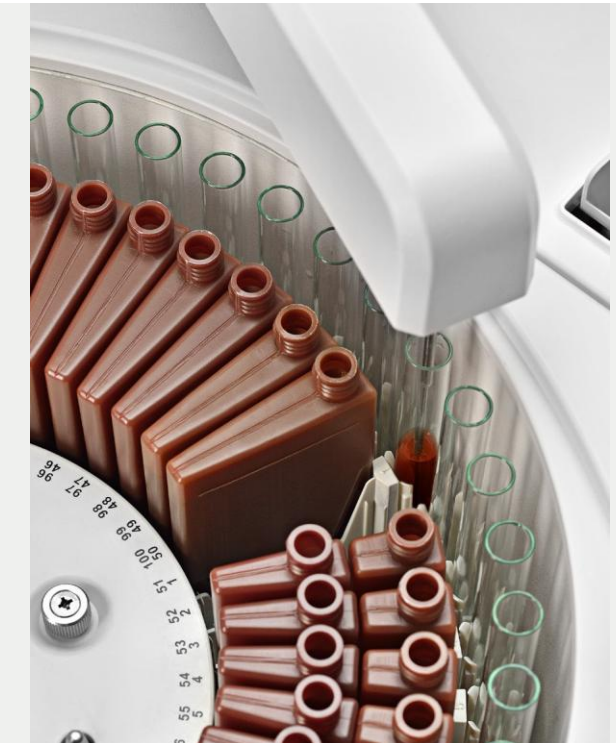
## Multifunctional Tray

The tray consists of 50 reagents & 50 samples position, 24 x 7 refrigerated storage compartment.

Built in barcode reader.

Removable tray.

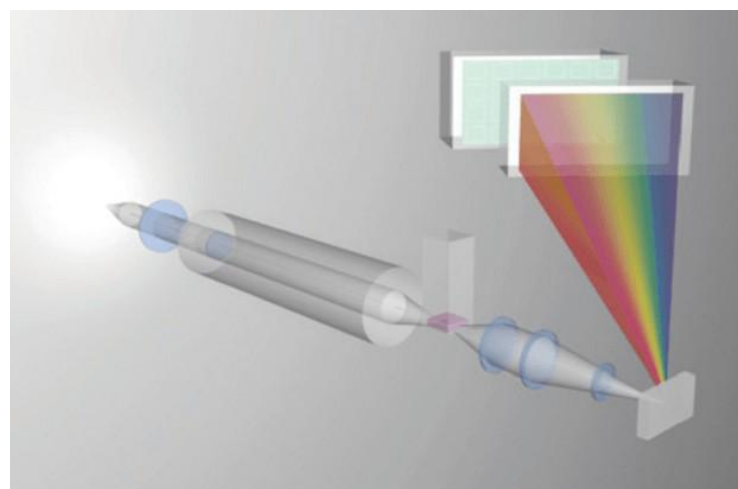
Dedicated key to rotate the disc.



## On Board Hemolysis

### Twin Testing

Automatic on board Hemolysis process on board contributing to the HbA1c test efficiency.



## Photometer

Best in class - holographic concave flat field gratings are preferred in fully automatic clinical chemistry analyzers due to their high efficiency, low stray light contribution, compact design, and enhanced thermal stability, among other benefits. These features contribute to the high accuracy & reliability of reports.



## Independent Mixing Unit

Flat paddle shape mixer ensures the homogeneous mixing every time.

## Improved Washing System

4 step and 8 stage washing ensures carryover less than 1ppm