



Features

Random access and discrete biochemistry analyzer, with throughput of 200 test per hour with STAT function

Multifunction probe with LLD sensor ensures accurate results

High and durable ceramic syringe for effective pipetting

40 reagent and sample position with on board refrigeration

44 semi permanent pyrex cuvettes with on-board laundry system

Available with ready to use system packs

User-friendly operating system

UNIKON 230

Fully Automatic Biochemistry Analyzer

Technical Specifications

General Information

Machine Type	: Random access
Test Speed	: Constant 200 tests/hour (Mono Reagent or Double Reagent)
Test Principle	: Colorimetric method, turbidimetry, Immuno turbidimetry
Test Method	: 1 Point End, 2 Point End, Fixed Time and Kinetics
Calibration Type	: Linear and Non Linear
1 Point Linear, 2 Point Linear, Exponential	
Logi - 10g, 3P, 4P, Multi-point Linear, Spline, Line Graph	

Sample Unit

Sample Tray	: 40 Sample Positions
Sample Tube	: Micro Cup & Test Tube & Blood Collection Tube (Φ 12 - 13) mm * (25 - 100) mm
Sample Volume	: 2 - 30 μ L, Step by 0.1 μ L
Sample Probe	: Liquid surface detection, timely tracking for liquid volume Collision Protection
Sample Barcode	: Sample barcode reader (Option)

Reagent Unit

Reagent Tray	: 40 Reagent Positions (40 for R1 or 40 for R2) 24 hours cooling system with paltier pad inside
Reagent Volume	: 20 – 300 μ L, Step by 1 μ L

Reaction Unit

Reaction Tray	: 44 reaction new pyrex cuvettes, perfect transmittance
Reaction Volume	: 150 μ L - 330 μ L

Mixing system

Mixer	: Paddle-type mixing, effective and reducing carryover
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Optical System

Light Source	: Halogen Lamp
Wave Length	: 340nm; 405nm; 450 nm; 505nm; 546nm; 578nm; 630nm; 700nm (4 more options)
Absorbance Range	: 0 – 4.0 Abs
Resolution	: 0.0001 Abs

Operating system

Operating System	: Windows XP, Windows 7, Windows 8, Windows 10
Report Printing	: 6 Formats Optional, Support Custom Formats
Interface	: Pattern, TCP/IP network Interface

Working Conditions

Power Supply	: AC 110/220V $\pm$ 10%, 50/60 Hz, 1000VA
Water consumption	: 8L/hour (maximum)
Dimension	: 750mm * 550mm * 490mm (L*W*H)
Weight	: 70 kgs

Power Supply

110/220V $\pm$ 10%, 50/60 Hz, 1000VA,	
Earthing voltage < 5V online ups (230V) with isolated transformer 2KVA	



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