Specifications

System function

General: Benchtop, automatic, discrete, random access, STAT sample priority

Throughput: Up to 100 tests per hour Principle: Colorimetry and turbidimetry

Methodology: End-point, fixed-time, kinetic, etc.

Programming: Open or closed system on demand

Reagent/Sample handling

Reagent/Sample tray: 40 reagent positions

20 sample positions

Reagent volume: 10-300 μL, step by 1 μL Sample volume: 1-40 μL, step by 0.1 μL

Reagent/Sample probe: Liquid level detection,

vertical & horizontal collision detection and reagent inventory monitoring

Probe cleaning: Auto interior and exterior wash

· Reaction system

Reaction tray: 81 reusable cuvettes,

auto cuvette washing station

Reaction volume: 150-750 µl.

Reaction temperature: 37 ± 0.1°C

Heating method: Solid heating

Optical system

Light source: Halogen tungsten lamp

Photometer: Maintenance-free photometer, rear spectrophotometry by filters

Wavelength: 8 wavelengths: 340, 405, 450, 510, 546, 578, 630, 660nm (precision ±2nm)

Absorbance: 0-4.5 Abs

Calibration and control

Calibration: K-factor, Linear, Spline, Logit-Log 4P, Logit-Log 5P, Exponential, Polynomial

Control: Westgard multi-rule, Cumulative sumcheck, Twin plot, L-J Chart

Operation system

Computer: Built-in operation system - Linux

Screen: 10.4 inch color touch screen

Data storage: 100,000 results

Printer: Built-in and external printer Others: Soft keyboard

Compatible with keyboard and mouse

Interface: Ethernet, USB, etc.

Working condition

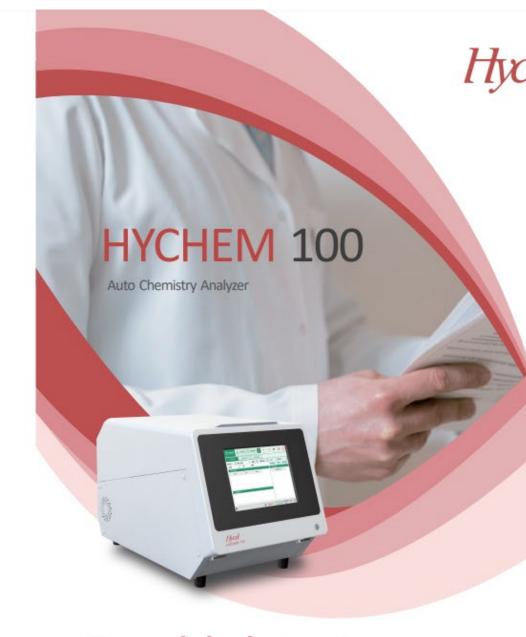
Power supply: AC 100-240V, 50/60Hz, ≤ 150VA

Temperature: 10-30°C Humidity: ≤85%

Dimension: 384mm*640mm*410mm (Width*Depth*Height)

Weight: 30 Kg

Water consumption: ≤ 1 L/H



Every lab deserves an automatic chemistry



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It optimizes the use of space in the laboratory by providing full functionality in small space

Standardized operation, which is consistent with larger analyzers, eliminates manual errors and makes test results more reliable

The robust system prolongs uptime and increases productivity of lab

The easy automated testing improves the workflow and mitigates manual labour, together with its cost-effectiveness, making it possible to bring benefits of automatic chemistry to all laboratories



Efficient

Up to 100 tests per hour
Fast start-up and shut-down process
User-friendly software
Removable reagent disk
Auto cuvette washing station...



Integrated

Small footprint on the desk
Big reagent and sample compartment
Built-in computer with touch screen
Built-in thermal printer
Complete solution with reagents
Powerful data transmission with
USB, Ethernet ...



Economical

Minimum reaction volume 150 μL Reusable cuvettes Few consumables Low water consumption Halogen lamp with long lifespan Optional reagent closed system...



Intelligent

Reagent inventory monitoring Accurate probe pipetting technique Auto probe washing reduces carry-over Simultaneous dual-wavelength measuring...