

CHA –8031

Automatic Chemistry Analyzer

| Specifications |

Assay methods: End Point, Kinetic, Fix time etc.

Principle: Photoelectric colorimetry

Light Source: Halogen lamp 12V/20W

Photometry range: 0~3.2Abs

Resolution: 0.0001Abs

Wavelength: 10 wavelengths optional (340nm~800nm)

Throughput: 300tests/hour

Reagent tray: 59 reagent positions, 1 detergent position

Sample tray: 45sample positions, including detergent, standard, QC, STAT positions

Reaction tray: 120 reaction cuvettes

Sample volume: 2~100ul, with 0.1ul increment

Reagent volume: R1:10~500uL, R2: 10~500uL,with 0.5uL increment

Minimum reaction volume: 180uL

Maximum reaction time: 10 minutes

Water Consumption: 6L/hour under working status

Clean unit: 8-step auto-washing system with detergent and 37°C water

Calibration: Calibration reset, select best test point by reaction curve, no need second calibration
Line/bon-line;multi-standards assay

Control rules: Westgard multi-rule, Cumulative sum check, Twin plot
3 level controls for each ifem,analyxing and printing QC analysis diagram

Temperature control: incubator 37±0.1°C

Power supply: AC110/230(1±10%)V,50/60Hz,500VA

Ambient: Operating temperature: 10~30°C

Relative humidity: ≤85%

Atmospheric pressure: 86~106kPa

| Features |

- ▣ 24 hour non-stop water cycle cooling system to ensure reagent at 2~8°C
- ▣ Dual-unattached durable ceramic syringes to ensure accuracy & precision
- ▣ Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests
- ▣ Automatic eligible cuvettes detection & selection
- ▣ Select best test point by reaction curve, create new factor automatically
- ▣ High accurate optical system
- ▣ Support LIS interface



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- ▣ Random access, 300 tests per hour
- ▣ Dual-unattached durable ceramic syringes
- ▣ Unattached probe,high-performance mixer
- ▣ Select best test point by reaction curve, create new factor automatically
- ▣ Water cycle refrigeration system



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Accurate Sampling (Sample/Reagent) System

- ▣ Collision protection
- ▣ Liquid level detection
- ▣ Internal and external probe washing
- ▣ Probe depth adjustment automatically

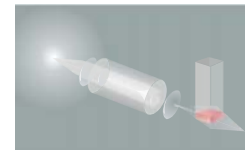


High performance mixer design



- ▣ Absence of cross contamination
- ▣ Optimal homogenization in minimum time
- ▣ Mixing immediately after dispensing of sample and the second reagent

Stable Optical System



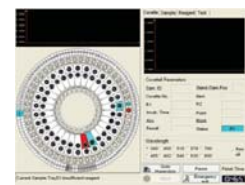
- ▣ High accurate, close, static state optical system
- ▣ Spot photometry with high speed digital transmission system
- ▣ Durable cuvettes
- ▣ 8-step auto-washing system with detergent and deion-water to ensure cuvettes clean and decrease cross contamination
- ▣ 120 reaction cuvettes located in a constant temperature incubator
- ▣ Low consumption, open reagent design

Multi-function sample/reagent tray



- ▣ 60 reagent positions, support 25mL, 50 mL reagent bottle type.
- ▣ 45 sample positions including routine, stat, control and standard
- ▣ Various primary tubes and special cups can be used
- ▣ Up to 20 virtual sample tray can be programmed
- ▣ 24 hours nonstop cooling system with peltier element and circular water

Dynamic and real time display of running status



- ▣ Running status of reagent tray, sample tray and reaction tray
- ▣ Real time monitoring of reagent residual volume
- ▣ Intelligent carry over setting to adjust test sequence, STAT test priority
- ▣ Probe depth adjustment automatically
- ▣ Real time monitoring of reaction curve
- ▣ Real time diagnosis of system working status