Automatic Chemistry Analyzer

SL300

Analysis system

Working mode: Discrete/random access
Test speed: test speed 300T/H (without ISE)
Test principle: Absorbance photometry, Turbidimetry
Methodology: End-point, Fixed-time, Kinetic, Single/Dual reagent chemistries, monochromatic/bichromatic Linear/non-linear multi-point calibration
The longest reaction time: 15 minutes
Minimum reaction volume: 150μl
Cuvettes material: plastics (quartz glass can be selected), 81 cuvettes have the function of automatically deducting reagent and sample blanks
Linear range of absorbance: 0-3.8Abs
Halogen light source using time ≥ 2000 hours
Wavelength: 340nm 405nm 450nm 510nm 546nm 578nm 630nm 670nm
Refrigeration system: water medium uniform refrigeration technology
Reagent storehouse temperature: 4-16
Reaction temperature: 37±0.2
Temperature fluctuation: ±0.1

Working Conditions

Temperature: 15 ~30
Humidity: ≤85%
Water consumption: 18L/hour, De-ionized water
Power supply: 200~240V 50/60HZ 1000W or 100~120V 60HZ 1000W
Dimension:978mm(w)×784mm(D)×773(H)
Net weight:90KG
Gross weight:129KG

Senlo®

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Senlo WEB

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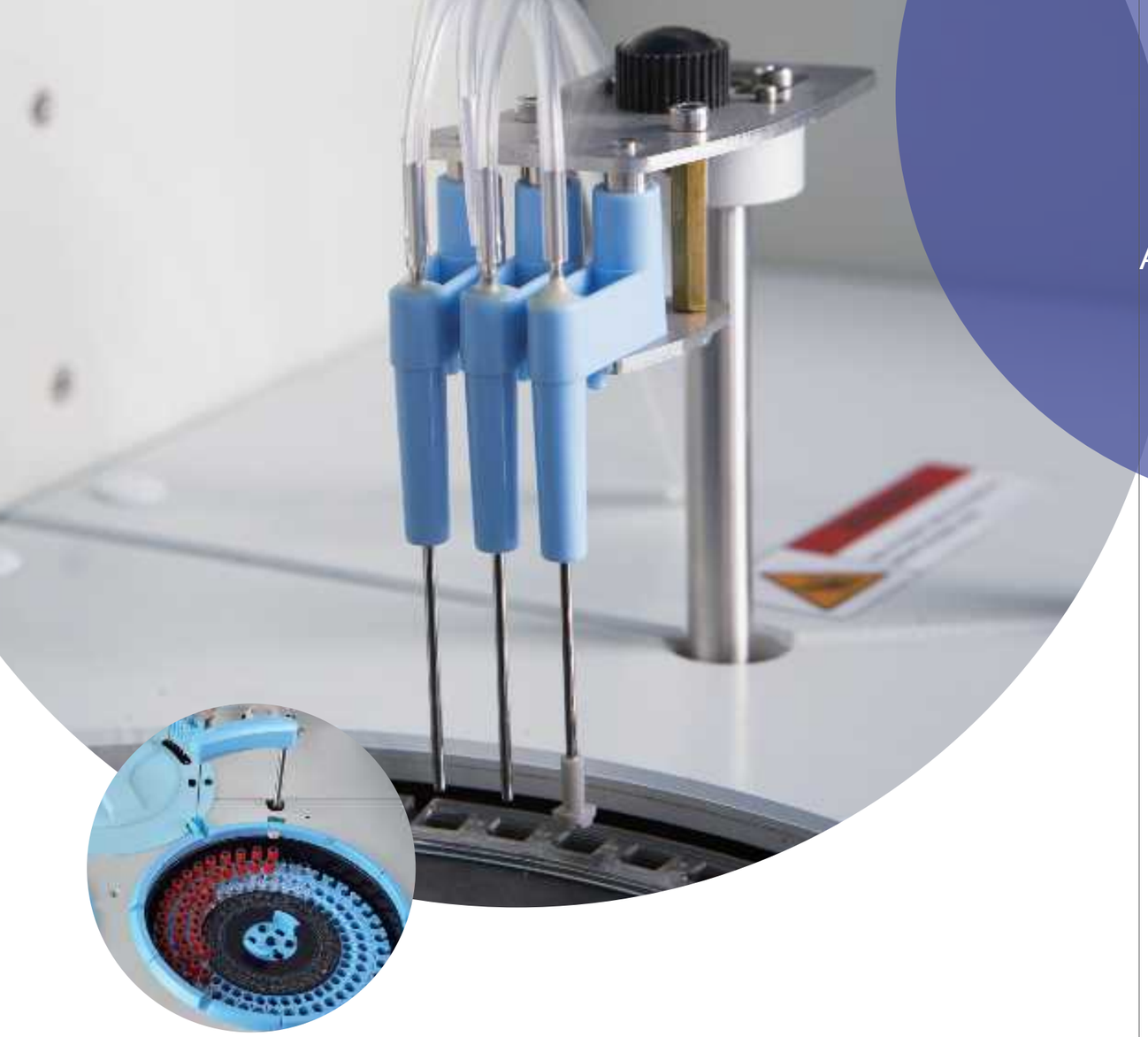

Automatic Chemistry Analyzer

SL300

Discrete, random access, fully automated
Up to constant 300 tests per hour
Optional for external bar code reader
120 positions for samples and 80 positions for reagents
Automatic probe cleaning, liquid level detection, collision protection
Reversed optic system with 8 wavelengths
Refrigerated reagent and sample compartment

Product features

Operating System

English operating system: Windows2000 windows XP windows7 windows8 windows10
Make print format and content freely, provide several common formats
Special user management password, rational distribution of user operation permissions
RS-232 standard interface, support for intranet, remote print report
Optional various databases, autosave, automatic backup, save all kinds of data permanently
Real-time monitoring of sample tray reagents tray reacting tray
Real-time display of reaction temperature, reagent allowance, reaction curve, calibration curve and quality control chart
Check and judge reaction endpoint, reaction linear interval, substrate exhaustion, reagent blank absorbance, etc.

Reagent Handing

Reagent tray: 80 reagent positions in cooling system(4~16)
Reagent volume: R1:150~300μl,R2:20~150μl
Reagent probe: Liquid level detection, collision protection and inventory check
Probe cleaning: Internal and external automatic probe washing

Sample Handing

Sample tray:120 sample positions for tubes and sample cups
Sample probe: Liquid level detection, block detection and collision protection
Probe cleaning:internal and external automatic probe washing carry-over<0.05%

Reaction cuvettes cleaning system

3 groups of cleaning probes, low carry-over
Optional acid and alkali cleaning solution

Sampling and mixing system

Sample volume: 2-30μl, 0.1μl increasing
Sample probe: The inner and outer walls are highly polished with the function of liquid level detection, tracking and collision protection sample probe matching special cleaning liquid prevent cross contamination
Reagent volume: 20-300μl, 0.1μl increasing
Reagent probe: The inner and outer walls are highly polished with the function of liquid level detection, tracking and collision protection
Reagent bottle: Reagent bottles with volume of 15ml, 20ml, 30ml, 50ml, 60ml and 70ml can be used, and the dead volume is less than 1ml
Mixing bar: Double mixing bar, S and R2 independent mixing bar to reduce cross contamination. The mixing bar is made of special material, surface treatment using Teflon, not hanging liquid, thoroughly clean before and after mixing to prevent cross contamination

Calibration and quality control

Quality control type real time quality control, daily quality control, day to day quality control
Quality control charts L-J, Cumulative, Twin Plot
The quality control rules are arbitrarily formulated by default to Westguard multiple rules
The calibration type: linear and nonlinear. Logit-4P, Logit-5P, Spline, exponent, polynomial, factor method
Automatically check the calibration curve and select the best calibration type of the fitting degree automatically