

SL-120

Automatic Chemistry Analyzer

Features

Mini Fully Auto Chemistry Analyzer Discrete/ random access

STAT sample priority

User friendly interface

No Computer required

Internal thermal printer

81 cuvettes

27 positions for sample and

54 positions for reagent

Liquid level detection

Collision protection

High pressure water flush interior the probe

Carry-over<0.1%

SL-120 Technical Specifications

	Feature	Description
System Function	1 Category	Random access fully automatic chemistry analyser
	2 Speed	120test/hour
	3 Methodology	End point, Fixed Point, Kinetic
	4 Reagent	Open Ssystem/ Closed System
	5 Reagent Position	54
	6 Sample Position	32
	7 Minimum reaction volume	150
	8 .carry over	≤0.005%
	9 Maimum reaction Volume	500ul
	10 Principle	Colorimetric, Turbidimetric
	11 Testing mode	Regular mode(single & dual reagents), Fast mode (single reagemnts),
	12 Sample mode	Random access , STAT sample Priority
Sample System	1 Sample Volume	2-30 ul, stp by 1ul
	2 Sample Tray	32 positions

Probe	Sample/Reagent mixing probe	One Probe for sample and reagent with liquid level detection, vertical and horizontal collision protection and reagent volume real time monitoring function
Reagent	1. Reagent Volume	20-300ul, step by 1 ul
	2. Reagent Disc	54 reagent position
	3. Reagent Bottles	8ml, 24ml
Reaction Tray	1. Reaction Cuvettes	81 cuvettes semi-permanent rigid UV special Plastic Cuvettes
	2. Reaction temperature	37±0.°C
	3. Reaction Volume	150-500ul
	4. Maximum reaction time	12 minutes
	5. Heating	Metal Thermalstat For reaction disc
Measuring & Optic system	1. Lamp	LED Xenon Lamp, 2000Hours
	2. Filter	FMSS (full sealed matrix spectrometric system)
	3. Wavelength	340-670nm, 8 wavelength, 800nm Optional
	4. Resolution	0.0001Abs
	5. Linear range	0-3.8Abs
	6. Accuracy	0.5A: <±0.02Abs, 1.0A: <±0.04Abs
	7. Stray Light	≥4.5
	8. Stability	<0.1Abs/hour
	9. CV%	<1.5%
	10. Half Band accurate	<±2nm
	11. Detector	Photodiode detector array
	12. Cooling way	Constant water cooling
Cal & QC	1. Calibration mode	One Point Linear, Two point linear, Multi point Linear, Logit-4p, Logit5p, Spline, exponential, polynomial
	2. Calibration curve	Calibration curve auto check
	3. QC rule	Westgard multi-rule, Cumulative sum check, twin plot

	4. Qc curve	westgard multi-rule, cumulative sum check, twin plot
	5. Out Of control	Automatic warning for items out of control, data automatic record, automatic analysis.
Software	1. Operating curve	Wion CP, Win7/*Win10
	2. Data storage	Decided By Computer Hard disc Memory
	3. LIS Interface	bi-lis interface
	4. System monitor	Real time monitoring for sample disc, reagent disc, reaction disc, real time monitoring for QC Status. Ra; time Monitoring for reaction cuvettes status, lamp status and temperature. Real time monitoring for reagent volume. Reaction curve, Calibration curve and QC Curve Linear Range limitation, substrate exhaustion judgement fault recover, automatic print, automatic
	5. Other function	User Permission administration test panel function, calculated manual parameter programming, avoid cross contamination function sample and reagent blank auto calculation, automatic fault recover, automatic print, data static.
	6. Computer hardware requirement	CPU 2.5GHz, Memory 4gb, hard disc 500G, Monitor wide screen, 19 inch
	PC interface	Rs-232C USB interface
Printout	1. Print mode	

		Multi default formats, self-defined formats
working condition	1. Dimension	350mmX320mmX595mm
	2. Power Supply	AC100-240V, 50/60Hz±1Hz, ≤350VA
	3. Net weight	22kg
	4. Optional Parts	Reagent/sample Barcode Reader Water Purification modular, PC , HP Laser Printer
	5. Water consumption	3-3.5L/Hour
	6. Temperature	10-35°C