

Technical Specification

Human Machine Interface	: TOUCHPANEL / KEYPAD
Linear measurement range	: 0.0000 to 3.0000 Absorbance Units (A)
Photometric Accuracy	: ± 2% or 0.007 whichever is higher, from 0 to 1.5A ± 3% from 1.5A to 3.0A
Drift	: < 0.007 A/hr
Photometric Linearity	: 2.2 A
Optical measurement	: Photodiode
Filters:	
Type of Filter	: Interference
Wave Length	: 340, 405, 510, 545, 578, 630 and two optional
Half Bandwidth	: 10nm ± 2nm
Flow Cell :	
Sipping Volume	: 500 to 1000µl
Flowcell Volume	: 18µl
Sipping Mode	: Automatic by specially designed Peristaltic pump.
Cuvette Volume	: 500µl
Temperature of Cuvette/ Flowcell:	
Method	: By Peltier effect
Temperature	: 25, 30 and 37° C
User Defined Temperature	: 20° C to 40° C
Light Source	: Tungsten Halogen
Warm Up Time	: 90 sec
Display	: 5" Graphic LCD, Negative Blue, STN
Printer	: Built in Thermal Printer
Memory	: 64 KB – Non volatile RAM with Battery backup
Storage Capacity	: 255 Open Tests with 30 QC results for each levels and 2500 Patient results with patient ID (6digits)
Analysis Mode	
User Defined Modes	: Absorbance Kinetic End Point Differential Ratio Fixed Time Coagulation
Pre Defined Modes	: ASO, CRP, RF and HBA1C
Concentration Calculations	: By Factor or by Standard
RS232 serial port	: 9600 baud, 1start, 8 data, 1 stop, no parity bits
Power	
Wattage	: 50 Watts
Voltage	: 115 - 230 Volts ± 10%, 60 – 50 Hz
Operating Position	: On Horizontal, flat, rigid, and vibration free surface
Operating Conditions	
Temperature	: From ± 18° C to ± 35° C
Relative Humidity	: Upto 85%
Storage Conditions	
Temperature	: From -10° C to + 60° C
Relative Humidity	: Upto 85%
Enclosure	: ABS Fire retardant
Size (cm)	: 30 x 38 x 13.5 (l x b x h)
Weight	: 5.5 Kg (Approx.)



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Biochemistry Analyser
RS-125

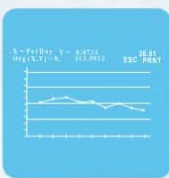
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Features

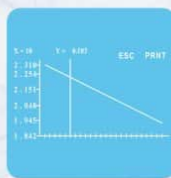
- Effective temperature regulation system with Peltier controlled cuvette / flow cell block.
- Dual reading mode.
- Robust system with built in stabilizer.
- Latest technology with battery back up for 255 tests with 30 results saved in each 3 levels of QC
- Capacity of saving 2500 test results.
- Robust in built 20 Column Thermal Printer with 384 stationary heads.
- Unique circuitry for long lamp life.
- Reliable peristaltic pump with maintenance free operations.
- Sophisticated software for kinetic graph with built in delta calculation for saturated (high).
- samples from graphic display without diluting and rerunning the samples.
- Monochromatic, Bichromatic Measurement.
- Multi Standard Calibration.
- Patients ID entry.
- Editing of saved tests.
- Levy Jennings and standard deviation graphs.
- Optional interface for External Printer.
- Access to Test by Touch of Key.
- Resolution of saving 4 decimal points.
- User defined temperature 20°C to 40°C
- On-line Graph in Fixtime and Kinetic mode.
- Online data output for LIS communication through RS232 Serial port.
- TURB option is provided on the 'Select Test' screen in order to access Prieturb Tests easily.



Flow cell



Online Graph



LJ/SD QC Chart



RS 232 & USB Port



Unique Feature To Measure Test HbA1c & HsCRP

Reagent Features :

- Ready to use liquid stable reagents
- Accuracy & precision with reliable results
- Fine micro size particles that do no down
- User friendly procedure with 2 step only
- No calibration required
- Reliable results correlating with HPLC
- Save Time & money With Less Errors of Calibration
- Convenient pack size

REAGENT	PACK SIZE (ml)	NO. OF TESTS
HbA1c	05	10
	10	20
REAGENT	PACK SIZE (ml)	
	NO. OF TESTS	
CRP (High Sensitivity)	12.5	25
	25	50
REAGENT	PACK SIZE (ml)	
	NO. OF TESTS	
RF	10	20
	25	50
REAGENT	PACK SIZE (ml)	
	NO. OF TESTS	
ASD	10	20
	25	50

