



Reliable, Robust & User Friendly

Quick Features:-

- Auto Air Purge between samples to avoid carry over.
- High Accuracy results with good repeatability at best Price
- Auto Sleep mode for Lamp to prolong its life.
- 48 direct test access keys for user friendly operations
- Dynamic temperature control by Peltier.
- Flow cell and cuvette reading Available.
- Real-time absorbance Curve and Temperature display.
- Inbuilt high quality Thermal Printer.



AC 200

SEMI-AUTO CHEMISTRY ANALYZER

OPTICAL SYSTEM

Flow Cell	30 µl quartz flow cell
Light Source	Halogen lamp 6V/10W
Temperature	25°C, 30°C, 37°C, RT
Temperature Control	By peltier device
Photo Detector	UV Enhanced Silicon photodiode
Cuvette option	10mm square cuvette/ Round cuvette (optional)
Filter	7 interference filters (340, 405, 505, 546, 578, 620 & 670nm) with 3 optional positions
Filter Selection	Stepper motor based filter wheel



High resolution graphic thermal printer for multiform reports

MEASURING SYSTEM

Analysis Method	End point/ Fixed time/Kinetic/Turbidimetry /Absorbance
Reaction Volume	350-1000µl
Aspiration	Peristaltic pump with stepper motor
Photometric Range	- 0.1 to 3.0 Absorbance
Resolution	0.001 Absorbance
Repeatability	CV ≤ 0.5%
Carry over	≤ 1%



Software calibrated peristaltic pump for less reagent consumption

Measurement Methods

End point/ Fixed time/Kinetic/Turbidimetry /Absorbance

Memory

Total Programmable Tests	248 Programs
Results	10,000 test results
	Calibration curve for all Tests
	3 types QC results and graph for all tests



USB based PCL compatible DeskJet and Laser printers (optional*)

Display	320 x 240 alphanumeric LCD
Printer	Graphical inbuilt thermal printer
Keyboard	Individual alphanumeric membrane keypad (80 keys)
Quality Control	3 Controls per test with Levey Jenning graph
Result recall	By Test name, Patient name, Sample ID, Date
Communication Interface	RS 232, USB port
Dimension	420(W) x 310(D) x 150 (H) mm
Weight	8 Kgs approx.
Power Supply	110-250V, 50Hz ±10%
Operating Temperature	10°C - 35°C
Humidity	≤80%



Option to use flowcell & cuvette