



SEMI-AUTO BIOCHEMISTRY ANALYZER

- Ideal companion of clinical laboratories and hospitals
- High accuracy of results
- Auto sleep mode for the lamp to prolong its life
- 48 direct test access keys for user friendly operations

• CLINICAL

Autoimmune (Turbidometric method) – CRP, IgA, IgG

Anaemia – Hemoglobin, Fe, TIBC, Transferrin, GDH

Basic Metabolic profile – Amylase, Albumin, Glucose, Globulin, HBA1c, HBD, Lipase, LDH

Cardiac – CK-MB, CK-NAC, CRP, Cholesterol, LDH, Lipoprotein-a, Triglyceride

Diabetes – Glucose, Glucose Hexokinase, HBA1c, Microalbumin, Cholesterol, Total protein

Electrolytes – Ammonia, Bicarbonate, Calcium, Chloride, Iron, Magnesium, Phosphorous, Potassium, Sodium, Zinc

Inflammation (Turbidometric method) – ASO, CRP

Lipid Profile – Apolipoprotein A, Apolipoprotein B, Cholesterol, HDL-Cholesterol, Lipoprotein-a, LDL-Cholesterol, Lipase, Triglyceride, VLDL

Liver profile – Aldolase, Albumin, Alkaline Phosphatase, Acid Phosphatase, Bilirubin, Cholinesterase, GGT, Micro albumin, SGOT, SGPT

Kidney profile – Blood Urea Nitrogen, Creatinine, Globulin, Micro protein, Total Protein, Urea, Uric acid, Phosphorous, Potassium, Sodium, Urinary protein

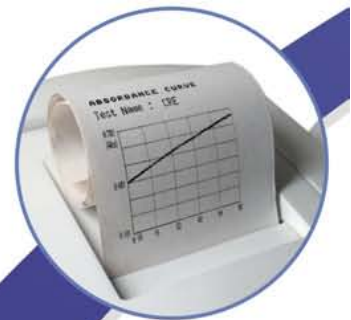
• VETERINARY

Albumin, Alkaline Phosphatase, Amylase, Ammonia, Bilirubin, Calcium, Chloride, Cholesterol, Creatinine, Cholinesterase, CKNAC, Glucose, GGT, Glutamate dehydrogenase (GDH), HDL-Cholesterol, Hemoglobin, Iron, Lipase, Lactate, Magnesium, Micro albumin, Micro protein, Phosphorous, Potassium, Sodium, SGOT, SGPT, Total Protein, Triglyceride, Urea, Uric acid

• RESEARCH & FOOD, WATER, WINE TESTING

Acetic acid, Calcium, Copper, Chloride, Ethanol, Glucose, Glycerol, Iron, Lactic acid, Sodium, Potassium, Zinc

Analytica is a compact, simple, reliable semiautomated analyzer capable to perform tests on whole blood, serum, plasma, cerebrospinal fluid or urine samples to determine concentration of analytes of Routine Biochemistry, Electrolytes, Enzyme etc. Simple on-board step by step instructions ensures consistency of results on which you can rely upon.



High resolution graph for multiforr

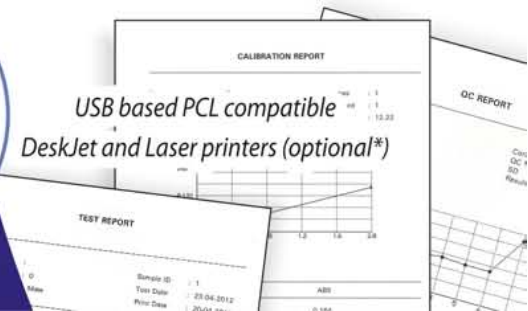


Software calibrated peristaltic pump for less reagent consumption



- USB Port for direct attachment of external printer
- RS 232 port for data transfer
- LAN Connectivity (optional)

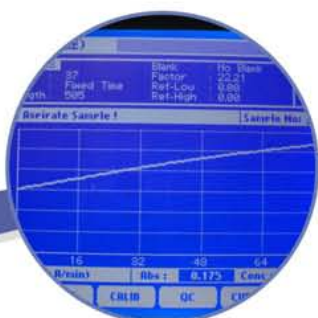
* only for selected hp printers



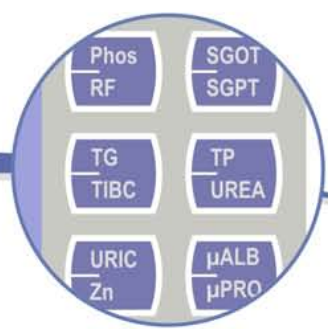
USB based PCL compatible
DeskJet and Laser printers (optional*)



- Powerful optical assembly with autosensing of cuvette or flowcell for proper positioning
- Use of Japanese photodiode and European interference filters



- Realtime absorbance curve, Realtime clock, Realtime temperature display on screen
- QC program for 3 controls per tests with westgard rules, Levey-Jennigs chart
- Unique feature of Kinetic graph storage facility
- Calibration graph storage for all tests
- Facility to create profiles of various tests



- 48 direct keys to access tests directly from keyboard
- Lamp saving mode indicator on keyboard
- Key to Rinse flow cell at any stage of test

mic thermal printer
n reports



ANALYTICA - Technical Specifications

OPTICAL SYSTEM

Flow Cell	30 μ l quartz
Light Source	Quartz Halogen lamp 6V/10W
Temperature	25°C, 30°C, 37°C, Room Temperature
Temperature Control	By peltier element
Photodetector	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

MEASURING SYSTEM

Reaction Volume	350-1000 μ l
Aspiration	Peristaltic pump with stepper motor
Photometric Range	- 0.1 to 3.0 Absorbance
Resolution	0.001 Absorbance
Linearity	\leq 1%
Blanking	Automatic Zero Setting
Calibration	Automatic against standard with auto storage of graph for all tests

Measurement Methods-

- ◆ End point/one point with or without reagent blank & sample blank
- ◆ Fixed time/two point kinetics with or without reagent blank
- ◆ Kinetic test with linearity check
- ◆ Bichromatic with or without reagent blank
- ◆ Multipoint Calibration (Non Linear) of 10 multi-standards with curve fit formula
- ◆ Absorbance

OPERATOR INTERFACE

Total Programmable Tests	248
Direct Test Keys	48

Quality Control	3 Controls per test with Levey Jenning graph
Display	320x240 alphanumeric LCD
Printer	Graphical inbuilt thermal printer
Air Purge	After each sample
Keyboard	Qwerty alphanumeric membrane keyboard (80 keys) for direct function entries
Communication Interface	RS 232, USB port LAN (Optional)
Memory	- 10,000 test results - 3 types QC results and graph for all tests - Calibration curve and results for all tests - Reagent blank for all tests
Result recall	Test name, Patient name, Sample ID, Date

PHYSICAL

Dimension	420(W) x 310(D) x 150 (H) mm
Power Supply	\sim 110-250V, 50 \pm 10% Hz
Weight	8 Kgs approx.

ENVIRONMENTAL CONDITIONS

Storage condition	
Temperature	0 - 40°C
Non-condensing humidity	0 - 80 %
Operating Condition	
Temperature	10° - 40°C


HARDWARE & ACCESSORIES

Component	Quantity
Power Cord	01
Fuse	02
Thermal Printer Roll	02
User Manual	01

Since R&D is a continuous process, features & specifications are subject to change without notice.

RECORDERS & MEDICARE SYSTEMS (P) LTD.

H.O. & Works: 196, Industrial Area, Phase 1, Panchkula-134113 (Haryana), INDIA.
Ph.: +91-172-2564196, 2565196, Fax: +91-172-2566196
website: www.rmsindia.com, e-mail: helpdesk@rmsindia.com
Regd. Office: 181/5, Industrial Area, Phase 1, Chandigarh-160002, INDIA

Certifications: ISO 9001:2008, EN ISO 13485:2003, 

Represented by