



Chem 1000

Semi-Automated chemistry analyzer

- compact design
- friendly software
- Inbuilt incubator
- 8 position for chemistry test
- 5 position for coagulation test

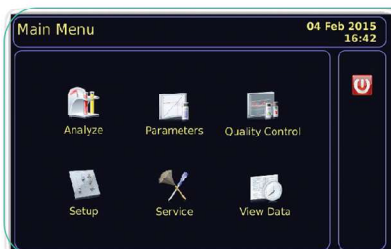


New generation **Semi-Automated Clinical Chemistry Analyzer**
Routine biochemistry with Measurement modes

Chem1000 is a compact, convenient, new generation analyzer most suitable for medium sized and small laboratories, also as a backup for big laboratory or hospital setups.

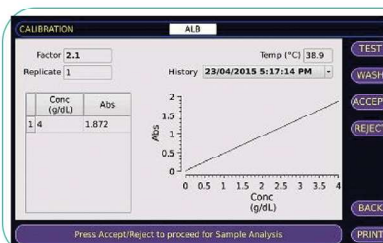
General Features

Assay types	Absorbance - Endpoint - Kinetic - Fixed Time - Coagulation		
Calibration Modes	K-factor - one point - two point - Multi point - Spline - Parabola - etc		
Wavelengths	Interference filters: 340nm 405nm 450nm 505nm 546nm 578nm 630nm 670nm		
Inbuilt incubator	8 position for test tubes and 5 position for coagulation tube		
Photometric Linearity	0.0 to 3.0Abs	Temperature Control	25,30,37°C by peltier
Measurement Mode	Flow Cell or Cuvette	Printer	Built-in 2" Thermal Printer (can be switched ON/OFF, when desired)
Aspiration Volume	250µL to 1000µL	Interface	External Keyboard/ Mouse
Cuvette Volume	Volume 500µL	Power supply	100 - 240V AC ±10%, 50/60 Hz
Flow Cell	18 µL	Storage Conditions	Temperature: 15°C to 40°C Relative Humidity: up to 85%
Storage Capacity	196 Programs, 5000 Test records	External Dimensions	360mm(L) x 360mm(B) x 220mm(H)
Light Source	6V/10W, Tungsten Halogen Lamp	Weight	6.5Kg(approx)
Display	7" Graphic LCD with resistive touch screen		



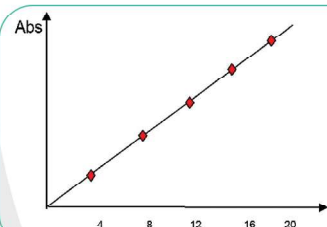
Main menu

- chem1000 is analyzer with a variety of features and performance levels to fit any application
- full size graphical display gives you true convenience in operation and minimizes errors while entering data.
- User friendly software with interactive Graphical user interface.
- shortcut keys for Menus to ease the operation.



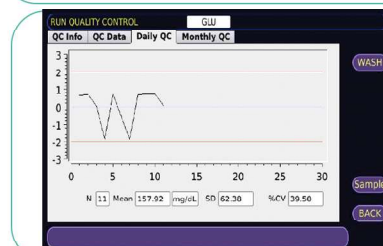
Calibration

Availability of various Calibration types like K-factor, Linear and Non Linear calibration curves like Spline, Logit-log, Exponential, Parabola and Polynomial enables the Chem1000 to run variety of biochemical and immunoturbidity assays



Multi point

In this calibration mode, calibration curve is formed by using more than two standards and is plotted till the linearity



Run Quality Control

- Levy Jennings plot of daily and monthly QC data to give the visual indication of the performance of assays and gives additional advantage for the accreditation of the Laboratory
- Collated Patient reports (date-wise, test-wise and patient-wise): 5000 stored results with reaction curve



Coagulation

Coagulation is based on the optical measuring principle. Homogeneous mixer of plasma sample & reagent results in the formation of fibrin strands. The insoluble fibrin network forms a distinct clot which results in a change in the absorbance. Clotting time in seconds is declared.

- after 90 sec, result with graph will be displayed.



ASPIRATION SYSTEM

- Aspiration system:** Internal peristaltic pump driven by DC motor for accurate and precise aspiration of reaction mixture
- Air purging after every sample aspiration, to minimize carryover
- Maintenance:** Automatic cleaning of flow cell at the end of assay and at shutdown with special wash solution improves the performance of the analyzer

Exclusive distributor



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