

Product Name :
Nauga Lab Semi Auto Analyzer

Product Code :
NLAB-LABORATORYEM14002



Description :

Nauga Lab Semi Auto Analyzer

Technical Specification :

100 Open Tests

40 X 4 Line LCD Display

Graphical Thermal Printer

28 Quick Access Test Keys

18µl Flow cell Volume

Pettier Controlled Thermostat

User Friendly Software

Auto Lamp Shut Off

Programmable Air Gap Aspiration

Repeat Measurement of Sample in Flow cell

Semi Auto Chemistry Analyzer is a highly sophisticated system for blood analysis.

The instrument is completely controlled by latest microcontroller technology.

It performs biochemistry measurements and processes them according to programs with parameters that can be entered by the operator.

It executes in an economical, rapid and precise manner, most of important biochemistry and haematology tests

The user is provided with a platform so as to perform tests pertaining to Absorbance, End Point, Differential, Kinetic, Fixed Time and Multi standard modes.

Seven narrow band interference filters enable the measurement of common clinical chemical tests.

The 40 x 4 line LCD display is used to display the status and the error/fault messages.

The data and the graphical plot for calibration curves as well as the kinetic tests are available on the in-built thermal printer.

Auto Lamp shut off facility is provided to increase the life of lamp.

Up to 100 different methods, individually programmable are present at any time in the memory of the instrument.

28 quick access test keys are available on the keyboard for faster

operations.

High efficiency peristaltic pump is located at the rear for easy access.

The use of latest technology, high quality components, advanced optic system and user friendly software makes Chem. 400 an ideal choice for the modern laboratory.

Totally "Open" 100 test programs are accessible through membrane type soft touch comprehensive keyboard.

Any or all parameters can be changed by the user.

28 most common tests are selectable through quick access test keys.

Six special function keys and complete Numeric keyboard is provided.

A 40 x 4 character LCD display provides a very convenient user interface.

A bright yellow backlit provides a distinct and clear visibility of the data.

The display shows the date, time, error messages, test results, procedural prompts etc.

The operation manual is not required every time as the display guides through every step of operation.

Chem. 400 has in-built thermal printer to print the analytical results as well as program parameters.

The thermal printer used is very fast and noiseless.

An efficient software program provides the maximum information in the minimum possible space thereby reducing the printing cost.

Dual curette compartment provides the flexibility to the user to use either flow cell or curette for sample measurement.

The Flow cell has measuring volume of only 18 μ l thus contributes significantly in saving of reagent cost.

The temperature regulation of the sample compartment is done using the Peltier effect, thus increasing the accuracy.

High precision optical and high quality interference filters are used to provide maximum accuracy and reliability of data.

Our seven interference filter i.e. 340 nm, 405 nm, 505 nm, 546 nm, 578 nm, 630 nm, 670 nm are provided to perform the measurement of common clinical biochemical tests.

The stepper motor controlled filter wheel enables dichromatic measurement of end point and multi standard assays.

The latest technology microcontroller and a high stable optical system provide optimum accuracy and precision in results.

Automatic system checks for Optical System, Filter Wheel, Printer and Data Memory are performed.

The self test reports are available on LCD as well as printer.

Thermal printer used is capable of providing the graphical plot for the Kinetic, Fixed Time and Multi standard tests, the linear and polynomial regression analysis techniques are used to increase the reliability and accuracy of results.

Specifications:-

Optical System:-

Light Source: Xenon Lamp

Select Field

Filter Change stepper motor driven

Filter 405, 505, 546, 578, 630, 670 nm +
provision for the user defined
filter

Detector photo diode

Thermostath

Refrigeration heating Peltier cell

Temperature and 37 °c selectable

Flow System

Flow capacity flow through cell

Typical

Working Vol.

50. Working Vol.

Peristaltic pump with programmable intake volume

Available Option micro & macro cures

Measuring System

Measuring Range

1000 to 2.500 Abs

Accuracy 0.500 Abs,

± 1.0% from 0.501 - 2.500 Abs

~~Flush Function~~
Flush volume

~~Measurement Method~~
Measurement Method: Differential, Kinetic, Fixed Time, Multistandard, Absorbance modes (Mono or Bichromatic), Coagulation.

~~Calibration~~
Calibration against standard

~~Auto Abs~~
Auto Abs

Data Display and Programming

~~Key type~~
Key type: Soft Touch Membrane type

~~Quick Test Keys~~
Quick Test Keys, defining the most commonly used tests

~~Display~~
Display: 14 character back illuminated alphanumeric LCD

Print Resolution 24 pin high resolution thermal printer with graphics capability

External Interface Parallel Interface for dot matrix printer.

Media Capacity (All open)

Standard

Physical Features

Power $\pm 10\%$ AC, 50/60Hz

Dimensions 85 mm (Approx.)

(L x B x H)

Weight(Approx.)

Sample Storage

Sample Storage sample with patient name and
Storage (ID) printing option.

Quality Control

Quality Control sample with patient name and
Quality Control (ID) printing option.

Naugralabequipments

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