

# RX-50<sup>®</sup>

## Versatile Bio-Chemistry Analyzer

Enzymes | Substrates | Therapeutic Drugs | Electrolytes | Turbidimetry | Coagulation

### FEATURES

- ◆ User Friendly Software
- ◆ Endpoint Method - Storage of abs of reagent blank in memory
- ◆ Editing of patient ID, name (12 characters), factors
- ◆ Print out of laboratory and doctor's name
- ◆ For Kinetic Test: Online graph and OD, graph editing facility, estimation of result
- ◆ Air purge between samples to avoid carry over / lamp saver mode
- ◆ 35 Direct test keys for test selection
- ◆ Utility mode for self diagnosis checking / 16 bit ADC
- ◆ Sample Type: Serum / Plasma / CSF / Urine / Whole Blood / Hemolysate
- ◆ Calculator of Lipid Profile



## CRYSTAL DIAGNO VISION

## METHODS OF CALCULATIONS

Absorbance / Fixed Time / Kinetics  
End Point / Differential  
Multipoint upto 10 Standards

## OPTICAL SYSTEM

Principle: Absorption Spectrophotometry  
Measurements: From -0.1 to 3.0 A for  
340nm, -0.1 to 3.5A for WL range  
405 to 670nm  
Filters: 340 - 630nm  
2 extra free positions  
Bandwidth: 8nm ( $\pm 2$ nm)  
Rading Error:  $\pm 2\%$  at 1.5A  
 $\pm 3\%$  at 1.5 to 2.5A  
Light Source: Halogen Lamp 12V/20W  
Zero: Automatic  
Settings: Monochromatic and Bi-chromatic  
readings  
Detector: Schottkey Type photodiode - silicon

## POWER / DIMENSIONS

Voltage: 110 - 220 V / 50 - 60 Hz  
Power Supply: <80 W  
Temperature: 10°C to 40°C  
Relative Humidity:  $\leq 80\%$   
Dimentions: 38cm x 41cm x 15cm

## THERMOSTAT SYSTEM

Accuracy:  $\pm 0.1^\circ\text{C}$   
Peltier Regulated 25°, 30° and 37°C / RT

## CUVETTES

Flow Cell of 18 $\mu\text{L}$   
Removable Cuvettes: Flowcell, Square Semi-  
Micro Plastic, round tubes  $\varnothing 13\text{mm}$



## INTERFACE

Screen: Graphic LCD 240x128 pixels  
Keyboard: Tactile Soft - Touch / USB\*  
Printer: Built-in 57mm thermal printer  
RS - 232 for pc connection  
Parallel port for 80 column dot matrix printer\*

## ASPIRATION SYSTEM

Bi-Directional peristaltic pump /  
Sipping volume programmable from  
100  $\mu\text{L}$  to 2000  $\mu\text{L}$   
Air Purge Volume : Programmable  
from 30  $\mu\text{L}$  to 50  $\mu\text{L}$

## PROGRAMMING

Table of Tests: Upto 235  
Table of Units: Upto 9 Units (Editable)  
Memory: 1000 Test Results  
Quality Control Storage of the last 30 days

## QUALITY CONTROL

3 Controls per Test - Low, Normal & High  
Levy-Jennings charts & Westgard's Rules

\* Optional

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