

# ARX - 235

## Versatile Clinical Chemistry Analyzer

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



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Versatile Clinical Chemistry Analyzer

## Features

- User friendly software
- End point method - Storage of abs of reagent blank in memory
- Editing of patient ID, name (12 characters), factor
- Print out of laboratory and doctor's name
- For kinetic test: On line 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 for lipid profile / globulin ratio / S. Iron TIBC / bilirubin



## Methods of calculations

Absorbance / Fixed time / Kinetic /  
End point / Differential /  
Multipoint upto 10 standards

## Interface

Screen: Graphic LCD 240x128 pixels  
Keyboard: Tactile Soft - Touch  
Printer: Built-in 57mm thermal printer  
Parallel port for 80 column dot  
matrix printer (optional)

## Optical system

Principle: Absorption spectrophotometry  
Measurements: From -0.1 to 3.0A 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)  
Reading Error:  $\pm 2\%$  at 1.5A  
 $\pm 3\%$  AT 1.51 TO 2.5A  
Light source: Halogen lamp 12v / 20w  
Zero: Automatic  
Settings: Monochromatic and  
Biochromatic readings  
Detector: Schottkey type  
photodiode - silicon

## Aspiration System

Bi-Directional peristaltic pump /  
Sipping volume programmable from  
100  $\mu$ l to 2000  $\mu$ l  
Air purge volume : programmable  
from 30 $\mu$ L to 150  $\mu$ l.

## Power / Dimensions

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

## Thermostat system

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

## Programming

Table of tests: up to 235  
Table of units: up to 9 units  
Memory: 1000 Test results  
Quality control storage of the last 30 results

## Cuvettes

Flow cell of 18  $\mu$ l  
Removable Cuvettes: Flowcell, Square semi-  
micro plastic, round test tubes  $\varnothing$  13mm

## Quality control

2 controls per test - Normal & Abnormal  
Levy-Jennings charts