

# ARX-199/199i<sup>®</sup>

Versatile Clinical Chemistry Analyzer

Enzymes | Substrates | Therapeutic Drugs | Electrolytes | Turbidimetry



ARX-199



ARX-199i



# ARX-199/199i®

Versatile Clinical Chemistry Analyzer

ARX-199



ARX-199i



## Technical Specifications

### Methods of calculations

Absorbance / Kinetics / Fixed time /  
End point with standard / factor  
Differential /  
Multipoint upto 10 standards

### Suction system

Bi-Directional peristaltic pump /  
Sipping volume programmable from  
200  $\mu$ L to 1.0 ml.

### Programming

Table of tests: up to 200  
Table of units: up to 9 units  
Memory: 1000 test results  
Quality control storage of the last 30 results

### Quality control

2 controls per test - Normal & Abnormal  
Levy-Jennings charts & Westgard's rules

### Interface

Screen: Graphic LCD 240x64 pixels  
Keyboard: Tactile Soft - Touch  
Printer: Built-in 57mm thermal printer  
RS - 232 for PC connection  
Parallel port for 80 column dot matrix printer\*

### Thermostat system

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

### Cuvettes

Flow cell of 18  $\mu$ L or 32  $\mu$ L  
Removable Cuvettes: Macro, Semi-micro &  
Micro plastic or glass

### Dry bath incubator (specific to ARX-199i)

13mm diameter: 15 positions  
10mm diameter: 4 positions  
Default Temperature:  $37^\circ\text{C}$  ( $\pm 0.2^\circ\text{C}$ )

### Optical system

Principle: Absorption spectrophotometry  
Measurements: From -0.1 to 3.0A  
Spectral range: Automatic via filter wheel  
Filters: 340, 405, 505, 546,  
578 & 630nm  
+ 2 extra positions  
Bandwidth: 8nm ( $\pm 2$ nm)  
Light source: Halogen lamp  
12V / 20W or 6V / 10W  
Zero: Automatic  
Settings: Monochromatic and  
Bi-chromatic mode  
Detector: Schottkey type  
photodiode - silicon

### Power / Dimensions

Voltage: 110 - 220V / 50 - 60 Hz  
Power Supply: <60W  
Temperature:  $10^\circ\text{C}$  to  $40^\circ\text{C}$   
Relative humidity:  $\leq 80\%$   
Dimensions: 40cm X 32cm X 16cm