

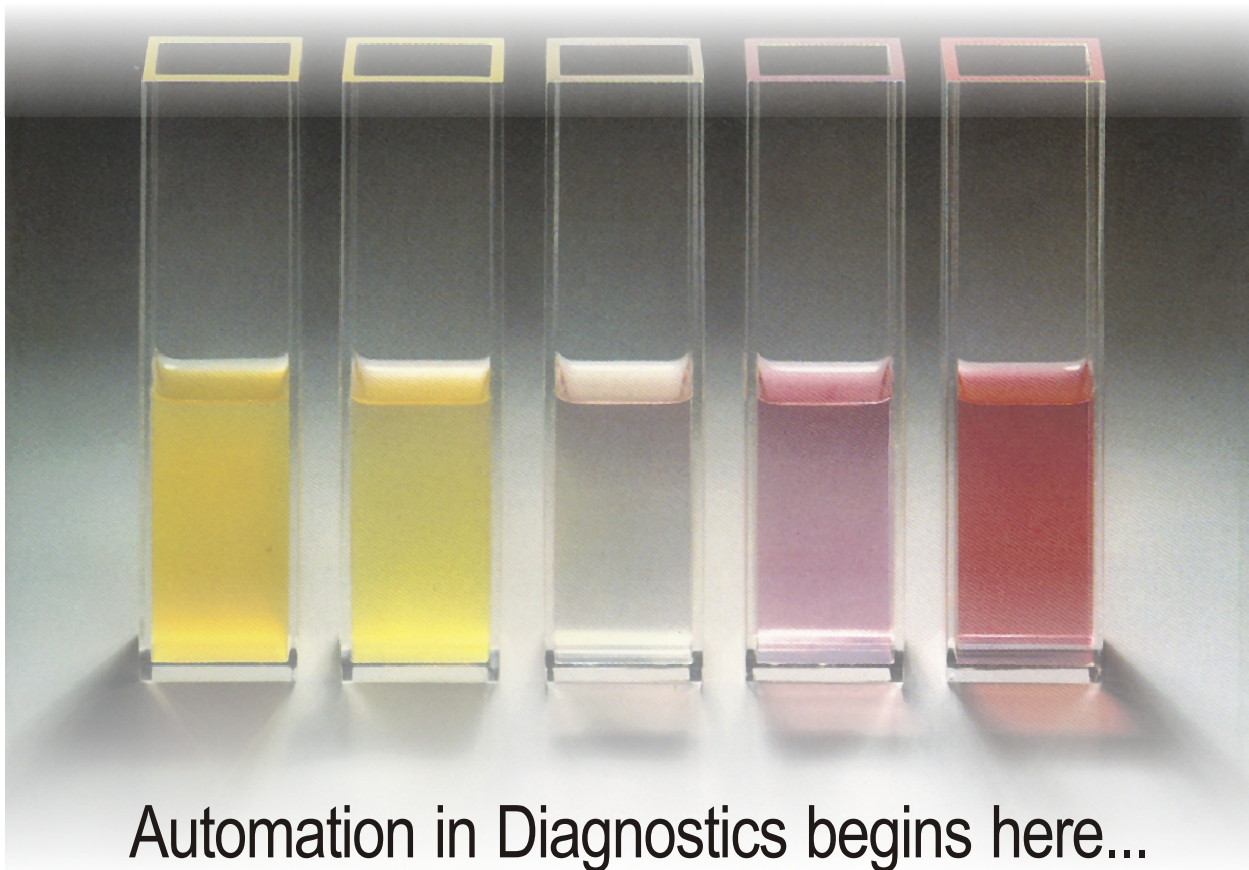


ROBONIK®

An ISO 9001 : 2000 Certified Company
An ISO 13485 : 2007 Certified Company

prietest **ECO**

Biochemistry Analyser



Automation in Diagnostics begins here...



CE

prietest ECO is a Cuvette based Auto Biochemistry analyser, with sophisticated but user friendly on board software. It is a stand alone system for routine chemistry, enzymes, hormones and drug levels. Its advanced but unique design of photometer ensures long life and high precision. It is very economical, reliable high precision instrument.

Features

- **Effective temperature regulation system for 12 position dry block incubator.**
- **Peltier controlled Cuvette block**
- **Versatile calculation option by factor or standard concentration.**
- **Extensive programming modes.**
- **Latest technology with battery back up for 100 test, calibration graph and 10 QC results per test.**
- **Robust in built 20 Column Thermal Printer with 384 stationary heads.**
- **Unique circuitry for long lamp life.**
- **500 µl Cuvette volume**
- **Built in stabiliser**
- **Ability to run multi standard in all modes**
- **Prints Kinetic Graph**
- **QC with Levey-Jennings Graph**



Technical Specification

Linear measurement range	:	0.000 to 3.000 Absorbance Units (A).
Photometric Accuracy	:	± 2% or 0.007 whichever is higher, from 0 to 1.5 A ± 3% from 1.5 A to 3.0 A
Drift	:	<0.007 A/hr.
Photometric Linearity	:	2.2 A
Optical measurement	:	Photodiode
Filters	:	
Type of filter	:	Interference
Wave Length	:	340, 405, 510, 546, 578 and 630nm and Two Optional
Half Bandwidth	:	10 nm ± 2 nm
Filter Selection	:	Automatic by Stepper Motor
Cuvette Volume	:	500 µl
Temperature of Cuvette Block	:	
Method	:	By Peltier control
Temperature	:	37° C
Light Source	:	Tungsten halogen, 6V / 10 W
Warm up time	:	90 Sec
Display	:	Four Line LCD, back lit, 4x20 Characters
Printer	:	Built - in thermal printer 20 columns
Memory	:	32 KB Non Volatile RAM Battery back up, 100 open tests, with 10 QC results/test
Analysis Mode	:	Absorbance Fixed Time End Point Kinetic Multi-Standard Differential Ratio PTT
Concentration Calculation	:	By factor or by standard
RS 232 Serial port	:	2400 baud, 1 start, 8 data, 1 stop, no parity bits
Power	:	
Wattage	:	50 Watts
Voltage	:	115-230 Volts ± 10 %, 50/60 Hz
Operating Position	:	On horizontal flat, rigid & vibration free surface
Operating Conditions	:	
Temperature	:	From + 18° C to 35° C
Relative Humidity	:	up to 80%
Storage Conditions	:	
Temperature	:	from -10° C to 50° C
Relative Humidity	:	up to 85 %
Enclosure	:	ABS fire retardant
Size (cms)	:	30 X 38 X 13.5 (lxbxh)
Weight	:	5 Kgs.

Due to continuous development, specification are subject to change without prior notice.

