



abaxis healthcare



abachem 240

PREMIUM CHEMISTRY ANALYSER

- Maintenance free peristaltic pump
- Testing of Biochemistry, Coagulation and Turbidimetry
- Real time graph with online reading
- High quality narrow band interference filters
- Displays actual temperature on screen
- Levey jennings and standard deviation graphs
- Air purging to prevent carry over
- Robust system with built in stabilizer

abachem 240 Plus : Clinical Chemistry Analyser

Technical Specifications

Human Machine Interface	:	TOUCH PANEL / KEYPAD
Linear measurement range	:	0.000 to 3.000 Absorbance Units (A)
Photometric Accuracy	:	$\pm 2\%$ or 0.007 whichever is higher, from 0 to 1.5 A, $\pm 3\%$ from 1.5 A to 3.0 A
Drift	:	$\leftarrow 0.007$ A/hr.
Photometric Range	:	3.0A
Optical measurement	:	Photodiode
Filters		
Type of filter	:	Interference
Wave Length	:	340, 405, 510, 546, 578 and 630 nm & Two Optional
Half Bandwidth	:	10 nm $\pm$ 2nm
Filter Selection	:	Automatic by Stepper motor
Flow cell		
Sipping Volume	:	300 to 1000 μ l
Flow cell volume	:	18 μ l
Sipping Mode	:	Automatic by specially designed Peristaltic Pump
Cuvette Volume	:	500 μ l
Temperature of Cuvette / flow cell Block		
Method	:	By Peltier effect
Temperature	:	25° C, 30° C and 37° C
Light Source	:	Tungsten Halogen
Warm up Time	:	90 Sec.
Display	:	5" Graphics LCD, Negative Blue, STN
Printer	:	Built in thermal printer, 20 Column
Memory	:	64 KB - Non volatile RAM with Battery back up
Storage Capacity	:	250 Test Programs with 30 QC results/test (Normal and abnormal controls) and 2500 Patient results with patient ID
Analysis Mode	:	Absorbance End point Fixed time Kinetic Differential Ratio Coagulation
Concentration calculation	:	By factor , by standard
Power		
Wattage	:	100 VA
Voltage	:	115 - 230 Volts $\pm 10\%$, 50 - 60 Hz\
Operating Position	:	On horizontal, flat, rigid and vibration free surface
Operating Conditions		
Temperature	:	from -10° C to +60° C
Relative Humidity	:	up to 85 %
Storage Condition		
Temperature	:	from - 10° C to + 60° C
Relative Humidity	:	up to 85 %
Enclosure	:	ABS Fire retardant
Size (cm)	:	30 X 38 X 13.5 (l x b x h)
Weight	:	5.5 Kgs. (Approx)

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