



BEACONIC smart+



Semi Auto Chemistry Analyzer

Windows based operation

Capacitive Touch screen

Up to 300 test can be programmed

20000 results storage with patient information

Testing modes : Flowcell and Cuvette

4.3" Touch screen display

In built incubator facility



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TECHNICAL SPECIFICATIONS

Human Machine Interface	: TOUCH PANEL
Linear measurement range	: 0.000 to 3.000 Absorbance Units (A)
Photometric Accuracy	: $\pm 2\%$ or 0.007 whichever is higher, from 0 to 2.0A, +3% from 2.0A to 3.0A
Drift	: <0.003 A/hr.
Optical measurement	: Silicon Diode

Filters

Type of filter	: Interference
Wave Length	: 340, 405, 505, 546, 578, 630+2 Optional
Half Bandwidth	: $\pm 2\text{nm}$
Filter Selection	: By Stepper motor

Flow Cell

Type	: Quartz Window
Flow cell volume	: 32 μl
Sipping Volume	: 300 to 1000 μl
Sipping Mode	: Automatic by specially designed Peristaltic Pump
Cuvette Volume	: 500 μl

Temperature of Cuvette/flow cell Block

Method	: By Peltier effect
Temperature	: 25°C, 30° C and 37° C
Light Source	: 6V/10W Tungsten Halogen lamp
Warm up Time	: 90 Sec.
Display	: 4.3" TFT Display
Printer	: Built in 55 mm, stationary head graphical thermal prin
Built in Incubator	: 3 Position for coagulation Cuvette & 8 Position for test tubes

Storage Capacity

300 Open tests with 30 QC results/test
(Normal and Abnormal controls)
20000 Patient report with ID and name



Analysis Mode

End point	
Fixed time	
Kinetic	
Coagulation	
Concentration	: By factor or by standard calculation
Blanking	: Water, Reagent & Sample

Operating Conditions

Temperature	: from 18°C to 35°C
Relative Humidity	: 20% ~ 85 %



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