

## Technical Specification

<b>Assay Types/Modes</b>	8 modes (Absorbance, End Point, Fixed Time, Rate, Sample Blank, Multi Standard, Two point Non Linear, and Sample Blank Non Linear).
<b>Sample Type</b>	Serum / Urine / Plasma / Body Fluids / Hemolysate
<b>Light Source</b>	6 V, 10 W Quartz Halogen Lamp (Life Span approx 2000 Hours)
<b>Measurement Method</b>	Monochromatic and Bichromatic
<b>Photodiodes</b>	Silicon photodiode
<b>Wavelength</b>	7 Filters (340, 405, 505, 546, 578, 620, 670 nm) and 1 Free position
<b>Absorbance Range</b>	0 - 3 Abs
<b>Resolution</b>	0.0001
<b>Stray light</b>	≥ 2.3 Abs
<b>Delay/Incubation Time</b>	3 - 999 seconds
<b>Read Time</b>	3 - 999 seconds for end point and 30 - 999 for rate and fixed time.
<b>Types of Test ware</b>	Quartz Flowcell, 6 mm polystyrene cuvette
<b>Flowcell Volume</b>	32 µl
<b>Display</b>	240 x 128 pixel blue color graphical LCD with LED backlight.
<b>Printer</b>	In built 384 dots Thermal Printer
<b>PC Communication</b>	9 pin D type Serial Connector
<b>PC Software</b>	Optional
<b>Memory</b>	FLASH
<b>Storage</b>	25,600 Test Data Storage, 3 Month QC Data
<b>Result Reports</b>	Collated by ID, Date and Test
<b>Quality Controls</b>	Daily and Monthly for 3 levels with LJ Graph
<b>Aspiration Volume</b>	200 - 1500 µl
<b>Air Aspiration Volume</b>	Variable 0 to 50 µl (To reduce Carry over & Cross contamination)
<b>Cross Contamination</b>	< 1%
<b>Temperature Control</b>	25°C, 30°C, 37 °C Accuracy ±0.1°C, Peltier control
<b>Operating Temperature</b>	10 to 35 °C
<b>Humidity</b>	≤ 80% RH
<b>Dimensions</b>	250 mm(W) x 290 mm(D) x 415 mm(H), Weight ~ 11 kgs
<b>Mat Code</b>	SAACNQ-01



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# TRUSTED

## Biochemistry analyzer



Merilyzer  
**CliniQuant™**

## Versatile and excellence in performance

Versatile & Flexible

Unique & Economical

Efficient & User friendly

Accurate & Reliable



### Recal Function for Kinetic assay

- Less reagent consumption
- More time saving
- Ideal for paediatric samples

### 670 nm filter

- Ideal for HbA1c Test
- Leading accuracy of tests by Bichromatic measurement

### Reaction Volume: 32µl

- Less reagent consumption
- More Economical

### Ease Operation

- QWERTY keyboard
- User friendly operation

Enhance the aesthetics of your setup

## Intelligent features for maximum efficiency:

### Accurate & Reliable

- 3 levels of QC with levy Jennings plot
- Availability of 670nm filter ensures accuracy of results in bichromatic mode
- Resolution of 0.0001 helps to detect slightest change in the optical density for all types of assay
- High sensitivity of analyzer ensures that even specialized tests are performed with excellent accuracy and precision
- Remove carry over effect completely by air gap

### Versatile & Flexible

- Flexibility of multipoint calibration with any mode
- 100 programmable Channels
- Interchangeable flowcell and cuvette mode
- Dynamic temperature control by Peltier elements

### Unique & Competitive

- Recal function for kinetic assay by selection a linear phase of graph in case of hyperactive sample which ensure saving of additional reagent and time.
- Reducing Turn around Time of the laboratory and increasing efficiency
- Minimum reaction volume of 32 µL
- Ideal for small volume samples like paediatric samples.

### Efficient & User friendly

- Integrated and interactive software with direct access of test icons
- Inbuilt four position incubator ensures reliable result
- Inbuilt thermal printer
- RS232 Port is available for PC communication with provided software

## Unique Hardware and Software Features

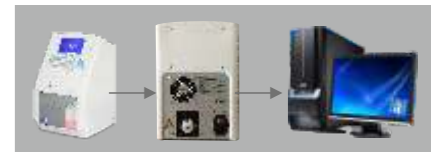
### Incubator Block

CliniQuant has in-built incubator slots that provide accurate temperature for reagents and reaction mixtures thus ensuring optimal reaction with sample.



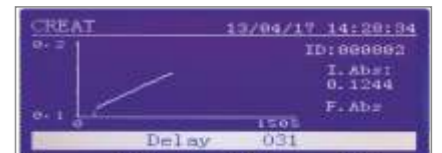
### Perfect Data communication

CliniQuant interfacing software via RS232 port assists to maintain result history and also to monitor overall efficiency of reports.



### High Resolution

CliniQuant resolution of 0.0001 helps to detect even the slightest changes in Optical Densities for all type of assays. Such high sensitivity of the analyzer ensures that even specialised tests are performed with excellent accuracy and precision.



### Recal Function

Recal Function for kinetic assay is possible by selection of a linear phase graph in case of hyperactive sample which saves reagent and time

