



LIFESYS
BIOMEDICALS
AN ISO CERTIFIED COMPANY

CHEMSTAR

CLINICAL CHEMISTRY ANALYZER



Cloud Connectivity Enabled⁺⁺

ENZYMES

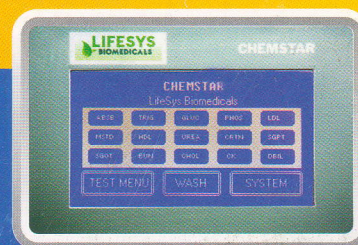
SUBSTRATES

ELECTROLYTES

www.lifesys.co.in

CHEMSTAR powered by high performance state-of-Art sophisticated electronics and sub system. Thoughtfully designed features makes **CHEMSTAR** a simple and easy-to-use equipment .

- Remote access & monitoring via Internet⁺⁺
- Touch screen interface with dynamic test access key
- Large Graphic display with real time graph display for enzymatic reaction
- Built-in thermal printer to print results, enzymatic curves and standard calibration curves



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MULTI-PROGRAMMING MODES

- Absorbance
- Endpoint with standard, factor, sample blank and differential
- Two-point (fixed time) and multi point kinetics
- Multi standard calibration
- Mono or bi-chromatic reading
- Turbidimetry

PHOTOMETRIC BLOCK

- Peltier regulated 25°C, 30°C and 37°C
- Accuracy: $\pm 0.1^\circ\text{C}$
- Flow cell of 33 μL
- Removable cuvettes : semi-micro and Micro
- Continuous flow system with peristaltic pump
- Programmable Sipping Volume

OPTICAL SYSTEM

- Principle: photometry
- Range of measurement: 0-2.5 A for 340nm ;
0-3.0 A for 405 nm onwards
- Spectral range selection : automatic via filter wheel
- Filters : 340, 405, 505, 546, 578 and 630 nm plus two free position
- Bandwidth : 10nm ($\pm 2\text{nm}$)
- Light source : Halogen lamp 12 V20W
- Blanking : Automatic
- Detector : Silicon Photodiode

MEMORY

- 150+ User Defined Test Programs
- 2000 Test Result
- Reagent Blank
- 3 Level of QC

QUALITY CONTROL CHART

- Levy-Jennings chart using westgard's rules
- 30 Normal and abnormal QC values for selected test

USER INTERFACE

- Graphic LCD back Lit. 240x64 pixels
- Touch Screen input
- Data port
- Type :- Graphic thermal printer
- Characters perline : 384 dots/line
- Paper : Thermosensitive - 57 mm wide

POWER/ DIMENSIONS

- Voltage : 220 V
- Frequency : 50 Hz
- Maximum power : < 100 VA
- Maximum relative humidity : 75%
- Compact form factor
- Weight: < 5kgs

* Technical Specifications are subject to change without prior notice

⁺⁺ Optional

Mfd by: **LIFESYS BIOMEDICALS**

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