



कणाद विद्युत्
KANAD VIDYUT

KANAD 8MPC

Semi-Auto Clinical Chemistry Analyzer



- ✓ LED SOURCE
- ✓ VERY LONG LIFE
- ✓ EXTREME PRECISION



- ✓ NO FILTERS
- ✓ NO MOVING PART



- ✓ ZERO MAINTENANCE
- ✓ DUSTPROOF DESIGN



- * SAVE ON ANNUAL MAINTENANCE
- * REDUCE COST PER TEST BY HALF



Liver Function

(SGOT/SGPT, ALKP, GGT, ABL, BIL-DT, BIL TTL..... etc)

Lipid Profile

(Cholesterol-TTL / HDL / LDL, Triglycerides.....etc)

Kidney Function

(Creat, Uria, B.U.N, Uric Acid, Ca....Etc)

Diabetes & Others

(Hb, Glucose HbA1c... etc)

Immunoturbidimetry

HbA1c, ASO, CRP,

ELISA Readings

(Thyroids T3/T4/TSH, IgE, Vit D...Etc)

Electrolytes

(Na+, K+, Cl-... etc)

**Optical
WARRANTY
5 years***

SPECIAL FEATURES

- ☛ 8 Wavelengths LED Light Source
(For tests at 340, 405, 450, 505, 545, 580, 630, 700nm.)
- ☛ Graphic Display with Online Graph for Kinetic Assays
- ☛ LOWEST reagent Volume of 250µl (0.250ml) ONLY..!!
- ☛ Intelligent Error Trapping System for abnormal samples.
- ☛ Self Testing for Optical & SCAN mode for research.
- ☛ Patient ID & Lab Name Entry
- ☛ OPERATION ON 12V Battery for 8hrs Continuously..!!



WINNER...!!!
G.S.PARKHE
INDUSTRIAL MERIT
AWARD
FOR
INNOVATION &
ENTREPRENEURSHIP
2015





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TECHNICAL SPECIFICATIONS

OPTICAL SPECIFICATIONS

Light Source	LEDs For Tests performed at 8 Wavebands from 340nm to 700nm.
Photometric Range	0.000 to 3.500 Abs
Optical Chamber	Semi Micro Cuvette with 10mm Path Length
Reagent Volume	Minimum of 250 μ l (0.250ml).

PROGRAMMING

Measurement Modes	Kinetic, Fixed Time, End Point, Multi-Standard Calibration, Monochromatic & Bi-Chromatic
Memory	100 User defined Programs, 1000 Results Program Memory

INPUT / OUTPUT INTERFACE

Keyboard	Spill-proof Membrane Keyboard
Thermal Printer	57mm paper Easy Load with Quick Action Hatch.
Output	Serial Port (RS 232) Output Direct connectivity to External Printer* and Computer.
Self testing	Automatic self testing of entire optical system for all wavelengths at start up.

THERMOSTAT SYSTEM

Temperature	RT & 37°C Temperatures with + / - 0.5 °C. Precision
Thermostat	Digitally Controlled Solid State Sensor and Heater

POWER, BATTERY BACK-UP & DIMENSIONS

Power Supply	AC Mains: 180 V to 240 V AC, 50 Hz
Battery Backup	DC: 10 V to 18 V DC 1A, (12V Motorcycle Battery runs for 10Hrs Continuously)
Operating Req.	Room Temperature: 10°C to 35 °C. Protect from Direct Sunlight.
Dimensions	L: 320mm x W: 270mm x H: 125mm Appx.
Weight	1.5kg Appx & 4.5Kg Approx along with Packaging

ADVANTAGES OF CUVETTE MODE

Vs

ASPIRATION MODE

- ☞ No Bubble Formation Errors
- ☞ No Pump calibration
- ☞ No tube Change
- ☞ Very low reagent volume reduces expenditure
- ☞ No Moving part hence no Mechanical failure
- ☞ Very fast readings as No Cleaning Cycle, No Mechanical Errors, No Reagent wastage, No warm-up period
- ☞ More number of tests performed including Hb, turbidity, Electrolytes & ELISA readings
- ☞ No Vibrations of moving parts
- ☞ Noiseless operation

Designed & Manufactured by : KANAD VIDYUT, Pune. (Since 1986)

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