



# KANAD 8MPC+

कणाद विद्युत्  
KANAD VIDYUT

Semi-Auto Clinical Biochemistry Analyzer



- LED SOURCE
- NO HALOGEN LAMP
- EXTREME PRECISION



- NO FILTERS
- NO MOVING PART



- ZERO MAINTENANCE
- DUSTPROOF DESIGN



- SAVE ON ANNUAL MAINTENANCE

LOWEST  
250µl  
REAGENT  
VOLUME



## 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)

## Electrolytes

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

## Diabetes & Others

(Hb, Glucose HbA1c... etc)

## Immunoturbidimetry

(HbA1c, ASO, CRP,)

Optical  
WARRANTY  
5 years\*

## SPECIAL FEATURES

- 8 Wavelengths LED Light Source ( For tests at 340 to 700nm.)
- 5" Graphic Display
- Online Graph for Kinetic Assays
- Semi Micro Cuvette slot for Optical
- Multi Standard Mode with upto 9 Standard Calibrators.
- Editing of calibrator values and abs
- Intelligent Error Trapping System for abnormal samples.
- Self Testing for Optical
- Operation of 12V Battery for 8hrs Continuously..!





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## TECHNICAL SPECIFICATIONS

### OPTICAL SPECIFICATIONS

Light Source	LEDs source with 8 Wavebands
Nominal Wavebands	For Tests performed from 340nm, 405nm, 450nm, 505nm, 545nm, 580nm, 630nm, 670nm. Optional additional waveband of 700nm
Optical System	Semi Micro Cuvette
Reagent Volume	Lowest Reagent Volume of 250 µl ( 0.250ml).

### PROGRAMMING

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

### INPUT / OUTPUT

Display	5 Inch Graphic LCD (240 X 128 px)
Keyboard	Spill-proof Membrane Keyboard
Thermal Printer	57mm paper Easy Load with Quick Action Hatch.
Output Interface	Serial Port (RS 232 ) Output Direct connectivity to External Printer* and Computer.
Self testing	Automatic self testing of entire optical system for all wavelengths in Config Mode.

### 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	POWER ADAPTOR 75W, 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 8Hrs)
Operating Req.	Room Temperature: 10°C to 35 °C. Protect from Direct Sunlight.
Dimensions	L: 400mm x W: 300mm x H: 140mm Appx.
Weight	2.0 kg Appx & 5.5Kg Approx along with Packaging

## LIST OF FREQUENTLY PERFORMED TESTS

NAME OF TEST	METHOD
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### LIVER FUNCTION TESTS

SGOT	Kinetic
SGPT	Kinetic
ALKP	Kinetic
GGT	Kinetic
PROTEIN TTL	End Point
ABL SERUM	End Point
BILIRUBIN DRCT	End Point
BILIRUBIN TTL	End Point

### KIDNEY FUNCTION TESTS

CREATININE	Fix Time
UREA / B.U.N	Fix Time
URIC ACID	End Point
CALCIUM (Ca)	End Point

### LIPID PROFILE TESTS

CHOLESTEROL TTL	End Point
CHOLESTEROL HDL	End Point
CHOLESTEROL LDL	End Point
TRIGLYCERIDES	End Point

### TURBIDITY TESTS

HbA1c	MPC
ASO / CRP/RF	MPC
CYSTATIN C	MPC

### OTHER TESTS

Hb	End Point
GLUCOSE	End Point
IRON	End Point
TIBC	End Point
ELECTROLYTES ( Na+, K+, Cl-)	End Point

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

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