



KANAD VIDYUT
कणाद विद्युत्

KANAD 9 PHOTON MPC

SEMI-AUTO CLINICAL CHEMISTRY ANALYZER



**LOWEST 250 μ L
REAGENT VOLUME**



LED Source



NO Filters

A complete solution to Biochemistry with Most Advanced Technology, Quality, Long Life & Cost Effectiveness....

ADVANTAGES OF KANAD PHOTON 9 MPC

- ☞ **ZERO MAINTENANCE**
- ☞ **5 YEARS OPTICAL WARRANTY**
- ☞ **10 TIMES MORE LIFE THAN HALOGEN LAMP**
- ☞ **EXCELLENT REPEATABILITY & PRECISION**
- ☞ **4 in 1 INSTRUMENT with 9 wavelengths**
 - *Biochemistry *Turbidimetry
 - *Electrolytes *ELISA readings
- ☞ **Full Clinical Chemistry**
 - End Point, Fixed Time, Kinetic & Multi-Point Calibration Modes



KANAD PHOTON 9 MPC

CLINICAL CHEMISTRY ANALYZER

TECHNICAL SPECIFICATIONS

OPTICAL SPECIFICATIONS

Light Source	LED Light source (Solid State Light Source with life of more than 1,00,000 hrs)
Wavelengths	340nm, 405nm, 450nm, 470nm, 505nm, 540nm, 580nm, 630nm, 700nm
Measurement Linearity	0.000 to 3.500 Abs (Photometric Range)
Resolution, drift & Noise	0.001A, Drift < 0.002 A/hrs & Noise < 0.0003 Very stable and precise readings
Reagent Volume	Minimum of Only 250 µl (0.250ml) Reagent Volume, Reducing Cost per Test by 1/4th.

PROGRAMMING

Modes	Kinetic, Fixed Time, End Point, Multi-standard Calibration (Up to 9 points), Turbidity, Electrolytes & ELISA readings
Memory	200 User defined Programs
Software	Very easy & User Friendly programming, Optional Facility to Read Blank for Every Sample for sensitive tests (Ca, Na+ Cl- etc)
Measurement Types	Monochromatic & Bichromatic Measurements
Data Management	Patients Id & Laboratory Names Entry
Special Editing	Edit & delete Saved Tests, Editing of Standards in Multi standard mode

INPUT / OUTPUT INTERFACE

Keyboard	Spill-proof Membrane Keyboard
Printer	Thermal Printer
Display	20 CHAR, 4 LINES, BLUE, Alphanumeric with White Backlight.
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

Cuvette Temperatures	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 requirements	Room Temperature: 10°C to 35 °C. Protect from Direct Sunlight.
Dimensions	L: 260mm x W: 240mm x H: 105mm Appx. with duel color ABS Outer body
Weight	1.5kg Appx & 4Kg 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

Manufactured By :: **KANAD VIDYUT**

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