



कणाद विद्युत्
KANAD VIDYUT

KANAD PHOTON 8

Most Advanced MPC Semi-Auto Clinical Chemistry Analyzer

A complete solution to Clinical Chemistry Analysis



- ⚡ **LED LIGHT SOURCE**
- ⚡ **VERY LONG LIFE**
- ⚡ **EXTREME PRECISION**



- ✓ **NO FILTERS**
- ✓ **NO MOVING PART**



- ✓ **ZERO MAINTENANCE**
- ✓ **DUSTPROOF DESIGN**



**LOWEST
250µl
REAGENT
VOLUME**

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



**4 in 1
INSTRUMENT**

- * Biochemistry
- * Turbidimetry
- * Electrolytes
- * ELISA readings



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

SALIENT FEATURES

- **8 WAVELENGTHS : 340nm TO 700nm**
- **5 YEARS OPTICAL WARRANTY**
- **EXCELLENT REPEATABILITY & PRECISION**
- **INTELLIGENT QC & REAGENT CHECK**

ANALYSIS MODES

- ⊙ **End Point, Fixed Time, Kinetic**
- ⊙ **Multi-Point Calibration Modes**

Designed & Developed by KANAD VIDYUT, Creating benchmarks in Quality & Precision
Trusted for more than 25 years.



कणाद विद्युत्
KANAD VIDYUT

KANAD PHOTON 8 MPC



CLINICAL CHEMISTRY ANALYZER

TECHNICAL SPECIFICATIONS

OPTICAL SPECIFICATIONS

Light Source	LED Light source with life of more than 1,00,000 hrs)
Wavelengths nm	340, 405, 450, 505, 545, 580, 630, 700 nm
Measurement Linearity	0.000 to 3.500 Abs (Photometric Range)
Reagent Volume	Minimum of Only 250 µl (0.250ml) Reagent Volume, Reducing Cost per Test by 1/2.

PROGRAMMING

Modes	Kinetic, Fixed Time, End Point, Multi-standard Calibration (Up to 9 points), Turbidity, Electrolytes & ELISA readings
Memory	200 User defined Programs , with RESULT MEMORY
Software	Very easy & User Friendly programming, Read Blank for Every Sample for sensitive tests (Ca, Na+ Cl- etc)
Measurement	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	Optional self testing of entire optical system for all wavelengths at start up.

THERMOSTAT SYSTEM

Cuvette Temperatures	RT & 37°C + / - 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: 12V Motorcycle Battery (Operates for 10 to 12 hrs Continuously)
Operating requirements	Room Temperature: 10°C to 35 °C. Protect from Direct Sunlight.
Dimensions	L: 260mm x W: 240mm x H: 105mm Appx.
Weight	1.5kg Appx & 4Kg Approx along with Packaging

LIST OF FREQUENTLY PERFORMED TESTS

NAME OF TEST METHOD

LIVER FUNCTION TESTS

SGOT/SGPT	Kinetic
ALKP	Kinetic
GGT	Kinetic
PROTEIN TTL	End Point
ALBSERUM	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

CARDIAC FUNCTION TESTS

CK. NAC	Kinetic
CK. MB	Kinetic
LDH	Kinetic

PANCREATIC FUNCTION TESTS

AMYLASE	Kinetic
LIPASE	Fix Time

ELISA READINGS

THYROIDS T3/T4/TSH	MPC
VITAMINS	MPC
TORCH, ANA	MPC
IgG , IgE	MPC

OTHER TESTS

Hb	End Point
GLUCOSE	End Point
HbA1c	MPC
IRON	End Point
TIBC	End Point
ELECTROLYTES (Na+, K+, Cl-)	End Point

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 कणाद विद्युत्**

Office : 10, Deenanath Mangeshkar Hospital Road, Erandawane Pune-411004

Contact No:: (+91)(India)-9850848722, 020-25462809

Email: kanad.pune@gmail.com

Website:: www.kanadvidyut.in, www.kanadvidyut.com