



कणाद विद्युत्
KANAD VIDYUT

KANAD 6P

A complete solution to Clinical Chemistry Analysis



- ⚡ **LED LIGHT 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**



3 IN 1 INSTRUMENT

- ➔ **BIOCHEMISTRY**
- ➔ **ELECTROLYTES**
- ➔ **TURBIDIMETRY**



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

SALIENT FEATURES

- **6 WAVELENGTHS : 340nm TO 630nm**
- **5 YEARS OPTICAL WARRANTY**
- **EXCELLENT REPEATABILITY & PRECISION**
- **INTELLIGENT QC & REAGENT CHECK**

ANALYSIS MODES

- ⦿ **End Point, Fixed Time, Kinetic**

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



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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, 505nm, 545nm, 580nm, 630nm
Measurement Linearity	0.000 to 3.500 Abs (Photometric Range)
Reagent Volume	Minimum of Only 250 μ l (0.250ml) Reagent Volume, Reducing Cost per Test by 1/2 .

PROGRAMMING

Modes	Kinetic, Fixed Time, End Point, Turbidity, Electrolytes
Memory	25 Pre programmed & 25 extra User defined Programs
Software	Very easy & User Friendly programming, 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.
Weight	1.5kg Appx & 4Kg Approx along with Packaging

LIST OF FREQUENTLY PERFORMED TESTS

NAME OF TEST	METHOD
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
OTHER TESTS	
Hb	End Point
GLUCOSE	End Point
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**

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