



KANAD VIDYUT

कणाद विद्युत्

MOST ADVANCED DIAGNOSTIC INSTRUMENTS

- * MANUFACTURERS OF HANS DIGITAL COLORIMETERS & HEMA HB METERS SINCE 1989.
- * MANUFACTURERS OF 1ST EVER LED SOURCE BASED, ZERO MAINTENANCE BIOCHEMISTRY ANALYZERS

1st Ever Very Long Life, LEDs Source Optical design
Zero Maintenance, Filterless & Lampless unique design
Extremely Stable, precise & repeatable readings
LOWEST 0.250ml REAGENT VOLUME
DESIGNED & MANUFACTURED
IN
INDIA

WINNER..!!!

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





HEMA

DIGITAL HAEMOGLOBINOMETERS



HEMA

- Haemoglobinometer with single memory for Hb factor , with CALIBRATION facility.
- Solid State (LEDs) Life Long light source

HEMA 2

- Haemoglobinometer with dual memory for Hb factor ,as well as Glucose factor with CAL facility
- Solid State (LEDs) Life Long light source

DRY BATH

INCUBATOR



DB 18

- Dry Bath Incubator with 18 Cuvettes/test tubes Capacity
- Square (12.5mm X 12.5mm) & Round (Dia. 12mm) both types accommodated
- Microprocessor controlled precise Temp up to 37°C.

HANS

DIGITAL COLORIMETERS

PRODUCT NAME

WAVELENGTHS

PRECISION & MODES

HANS 251	Five Wavelengths 450, 505, 530, 580, 630	Up to 2 Decimal Precision (0.00), Absorbance Mode Only
HANS 253	Five Wavelengths 450, 505, 530, 580, 630	Up to 2 Decimal Precision (0.00) Absorbance, Concentration & Factor modes
HANS 291/391	Nine Wavelengths 405, 430, 465, 505, 530, 565, 580, 630, 700	Up to 2 or 3 Decimal Precision (0.00)/ (0.000) Absorbance Mode Only
HANS 293/393	Nine Wavelengths 405, 430, 465, 505, 530, 565, 580, 630, 700	Up to 2 or 3 Decimal Precision (0.00)/ (0.000) Absorbance, Concentration & Factor Modes



Mini-ANALYZER

(Programmable Advanced Colorimeter)

KANAD PHOTON 35

- >VIS-9 wavelengths 405, 430, 465, 505, 530, 565, 580, 630, 700 nm
- > 35 Programs memory with End Point and Fixed Time modes
- >Zero Maintenance- Solid State (LEDs) Life Long Sources
- >Performs Electrolytic (e.g Ca, Mg, Na, K, Cl)
- >Turbidimetric (RA, ASO, CRP, HbA1c) efficiently.
- >Lowest of 250µl (0.250ml) Reagent Volume in Semi-micro Cuvettes.





SEMI-AUTO BIOCHEMISTRY ANALYZER

(COMPLETE SOLUTION FOR CLINICAL CHEMISTRY)



MODELS	KANAD PHOTON 6P	KANAD PHOTON 8 MPC	KANAD PHOTON 9 MPC
MEMORY	25 Pre-programmed Tests & 25 User defined Program	100 user Defined Programs	200 User defined Programs
OPTICAL SPECIFICATIONS	6 Wavelengths 340, 405, 505, 545, 580, 630	8 Wavelengths 340, 405, 450, 505, 545, 580, 630, 700	9 Wavelengths 340, 405, 450, 470, 505, 545, 580, 630, 700
ANALYSIS CAPABILITY	End Point, Fixed Time, Kinetic, Turbidity, Electrolytes	End Point, Fixed Time, Kinetic, Multi-point Calibration, Turbidity, Electrolytes, ELISA Readings	

SPECIAL FEATURES

- REAGENT VOLUME : **OPEN SYSTEM With LOWEST of 250 µl (0.250ml) reagent volume.**
- SPECIAL MODES : Unique Modes for Sensitive Tests Like Electrolytes, Ca, Mg etc..
- QUALITY CHECK : Intelligent Error Trapping, Reagent Check, QC Validation Scan Mode
- INPUT / OUTPUT : SPILL PROOF Keyboard, Serial port (RS 232)
- PHOTOMETRIC RANGE : 0.000 - 3.500 Ab
- TEMPERATURE : RT & 37°C +/- 0.5 °C. Precision
- BATTERY BACKUP : DC 12V Motorcycle Battery (Operates for 10 to 12 hrs Continuously)

LIST OF FREQUENTLY PERFORMED TESTS ON KANAD PHOTON ANALYZERS

LIVER FUNCTION TESTS

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

CARDIAC FUNCTION TESTS

CK. NAC	Kinetic
CK. MB	Kinetic
LDH	Kinetic

PANCREATIC FUNCTION TESTS

AMYLASE	Kinetic
LIPASE	Fix Time

ELISA READINGS

THYROID 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



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Manufacturers of Biochemistry Analyzers, Colorimeters & Haemoglobinometers, Dry Bath Incubators since 1989.



- LED SOURCE
- NO HALOGEN LAMP
- EXTREME PRECISION



- NO FILTERS
- NO MOVING PART



- ZERO MAINTENANCE
- DUSTPROOF DESIGN



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

ADVANTAGES OF CUVETTE MODE ANALYZER OVER 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

@ Technological Advantages

- Solid state light sources (or LEDs) have a huge life of more than 1,00,000 hrs as compared to halogen lamp which has only 4000hrs life.
- As we use Solid state light source, we don't require filters to get the required wavelengths for measurements.
- Solid state light sources (LEDs) emits light at same wavelengths and intensity throughout its life. This reduces maintenance
- As Halogen lamp is not used, heating problems are eliminated.
- Uniquely designed optical uses no moving parts in the machine while giving better performance than best.
- Full metal powder coated Aluminum Box gives high sturdiness and long life to instrument.
- Uniquely designed software programs help reduce errors while performing operations.

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

