



कणाद विद्युत्
KANAD VIDYUT

KANAD TURBILIZER

Semi-Auto Turbidimetry Analyzer



- ✓ **LED 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**

Immunoturbidimetry HbA1c, ASO, CRP...etc



ELISA Readings

(Thyroids T3/T4/TSH, IgE, Vit D...Etc)

Electrolytes

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

**Optical
WARRANTY
5 years***

SPECIAL FEATURES

- ✚ **5Wavelengths LED Light Source**
(For tests at 450, 545, 580, 630, 700nm.)
- ✚ **MULTI STANDARD with upto 9 Standard Entry**
- ✚ **LOWEST reagent Volume of 250µl (0.250ml) ONLY..!!**
- ✚ **Intelligent Error Trapping System for abnormal samples.**
- ✚ **Self Testing for Optical & SCAN mode for research.**
- ✚ **Patient ID & Lab Name Entry**
- ✚ **OPERATION ON 12V Battery for 8hrs Continuously..!!**



ISO 13485

IL-C (Certification)



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





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TECHNICAL SPECIFICATIONS

OPTICAL SPECIFICATIONS

Light Source	LEDs For Tests performed at 5 Wavebands from 450nm to 700nm.
Photometric Range	0.000 to 3.500 Abs
Optical Chamber	Semi Micro Cuvette with 10mm Path Length
Reagent Volume	Minimum of 250 μ l (0.250ml).

PROGRAMMING

Measurement Modes	End Point, Multi-Standard Calibration, Monochromatic & Bi-Chromatic
Memory	50 User defined Programs, 1000 Results Program Memory

INPUT / OUTPUT INTERFACE

Keyboard	Spill-proof Membrane Keyboard
Thermal Printer	57mm paper Easy Load with Quick Action Hatch.
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

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	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 Req.	Room Temperature: 10°C to 35 °C. Protect from Direct Sunlight.
Dimensions	L: 270mm X W:250mm X H:95mm Approx.
Weight	1.5kg Appx & 4.5Kg 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



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

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