



HANS 6 FX

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**



SPECIAL FEATURES

- ☞ **6 Wavelengths: 340nm-630nm**
- ☞ **Intelligent Error Trapping System.**
- ☞ **Scan Mode for Research**
- ☞ **3 Years Optical Warranty**
- ☞ **Very Low Power Consumption.**
- ☞ **No Heat Generation from Lamp**
- ☞ **Works on 12V Battery.**



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TECHNICAL SPECIFICATIONS

OPTICAL SPECIFICATIONS

Light Source	LED Light source, For Tests performed at Wavelengths from 340nm to 700nm.
Photometric Range	0.000 to 3.500 Abs (Photometric Range)
FLOW CELL VOLUME	32µl Quartz Flow cell with 10mm Path Length
Reagent Volume	Minimum of 350 µl (0.350ml).

PROGRAMMING

Measurement Modes	Kinetic, Fixed Time, End Point, Single Standard Calibration, Monochromatic & Bi-Chromatic
Memory	100 User defined Programs
User Interface	Very easy & User Friendly software, Optional Facility to Read Blank for Every Sample for sensitive tests (Ca, Na+ Cl- etc)
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
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: 310mm x W: 300mm x H: 120mm Appx.
Weight	1.5kg Appx & 4.5Kg 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

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