

**HighQ Neo**  
*Now*  
WITH  
INTERNAL INCUBATOR AND  
COAGULATION TESTS  
(PT/APTT/TT)



## Semi Automated Clinical Chemistry Analyzer

- Robust and reliable diagnostic solution
- Consistent performance and easy operation
- Unique dynamic locking system for various instrument settings

### FLEXIBLE

- Programmed to analyse endpoint, fixed time and kinetic assays
- Storage for 200 user programmable test methods and 10000 test results
- Create up to 10 customised test profiles
- Open System (Any reagents can be used)

### ECONOMICAL

- Low reagent consumption
- High quality surface coating ensures long Filter life
- Extended lamp life

### ROBUST

- Low maintenance
- Consistent and reliable results
- Indian design and manufacturing

## OPTIMISED OPTICAL DESIGN

High sensitivity measurements for kinetic and turbidimetric assays (RF, ASO, CRP etc)

## SALIENT FEATURES

Name	HighQ Neo Systems
Filters	European
Power Supply	Japanese
Photodetector	Japanese
Peltier	Japanese
Lens	European
Peristaltic Pump	European
Display	Taiwanese
Flowcell	Chinese
Stepper Motor ( Filter Motor)	Japanese
Thermal Printer	Chinese



### LIGHT SOURCE

Halogen Quartz tungsten lamp (6V, lowatt)  
Lamp life saving mode (programmable sleep interval) Unique  
Lamp life enhancing circuit



### FLEXIBLE

High precision peristaltic pump Non corrosive tubing ensures  
long life and accurate aspiration  
Aspiration air gap and auto empty function after each sample  
run Minimal chances of carry over

ACP	ALP	Asp-A	ASO
ALB	AMY	Asp-B	BUN
BIL	Ca	CK	Cl
BE-T	CHOL	CK-MB	CREA
CRP	GGT	GLB	Hb
Fe	GLU	GLDH	HbA1C
HSDH	HDL-C	LDH	LDL-C
HDL	K	LDL-C	LPS
Na	NH4	RF	SGOT
Na	PHOS	TBA	SGPT
TG	TP	UREA	WALN
TIBC	UREA	Zn	WPRO

### ONE TOUCH ACCESS TO DEDICATED ASSAYS

48 direct access assays



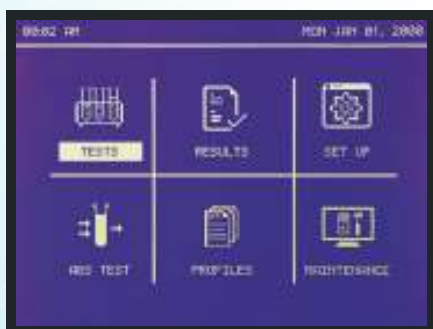
### PRINTABLE REAL TIME GRAPH

Real time graph is displayed on screen and  
can be printed

## EASY MAINTENANCE

Self-diagnosis and system health reporting are an integral part  
Easily set photometer gain and perform pump calibration.

# SOFTWARE FEATURES



## INTUITIVE USER INTERFACE

- Six informative screens control operations
- Easy navigation through submenus
- Requires minimal training



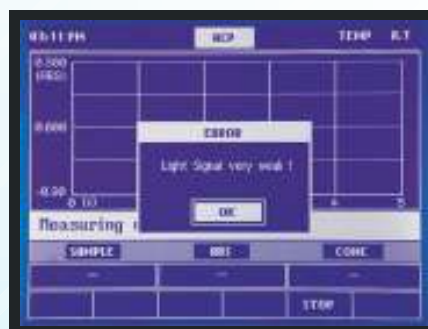
## QUALITY CONTROL

- Mean, SD, % CV and R calculated for each assay
- Levey-Jennings control chart
- 3 levels per assay
- Westgard Rules



## CALIBRATION

- Factor, one-point, point to point and Log-Logit
- Non linear multi point calibration
- Up to 3 replicates per point
- Up to 10 calibration points



## ERROR DETECTION

- Early detection and reporting of errors on screen
- Saves time and avoids faulty test runs which saves reagents

## ANALYSIS MODES

Absorbance	Kinetic with factor and linearity check
Immunoturbidimetry	End Point with factor, standard or multiple standards with or without reagent/sample blank
Bichromatic mode	Fixed time with standard, factor or multiple standards, with or without reagent blank

# Technical Specifications

## PHOTOMETRIC MODULE

- Seven Narrowband Interference Filters
- Filter Wavelengths: 340, 405, 505, 546, 578, 630 and 670nm (1 open position for optional filter)
- IAD process ensures long filter life
- Wavelength Accuracy :  $\pm 2$ nm
- Silicon Photo Diode detector
- Absorbance Range : 0.0 – 3.0 A
- Resolution : 0.0001 Absorbance Units
- Photometric Drift : < 5 mAbs/30min
- CV : < 1%

## TEMPERATURE OF FLOWCELL / CUVETTE

- 25°C, 30°C, 37°C
- Temperature Stability :  $\pm 0.2^\circ\text{C}$

## DISPLAY

- 5.7 Inch LCD display screen
- High Contrast Display

## KEYBOARD

- Tactile touch QWERTY keypad
- Visual indication on keypad during aspiration

## PRINTER

- Internal 57mm thermal printer with full graphics printing

## MEASURING MODULE

- Dual mode ( Flow cell & Cuvette)
- High quality Quartz flow cell for precise measurements
- 30  $\mu\text{l}$  Flowcell volume
- Peltier-controlled reaction temperature
- External cuvettes (10mm path length)

## UNITS

- 15 pre-defined measurement units

## REACTION VOLUME

- Minimum aspiration volume - 300 $\mu\text{l}$
- Maximum aspiration volume - 5ml

## DIMENSIONS

- Length : 422mm
- Width : 324mm
- Height : 176mm
- Weight : 6.5 kg

## ANALYSIS METHOD

- Endpoint, Fixed time and Kinetic
- Sample blanking and Reagent Blanking
- Direct Absorbance measurement mode
- Coagulation Mode ( PT / APTT / TT )

## TEST PROFILES

- User defined 10 Test Profiles
- 10 tests can be added in each profile

## TEST CHANNELS

- 48 dedicated assays
- Direct access keys for dedicated assays
- Open channel capability
- 200 programmable channels

## DATA MANAGEMENT

- Storage of up to 10,000 test results
- Stores 30 days QC for each Assay
- Reagent Blank storage

## REPORTS

- Search by date, sample ID or Test Name
- Calibration Reports, QC results

## INTERNAL INCUBATOR

- Positions : 7
- Temperature : 37 Degree

## QC AND CALIBRATION

- Daily and monthly QC with data archiving.

## INTERFACE

- RS 232 Port
- USB Port
- PC Connectivity (optional)

## POWER

- Input Voltage Range : 88 - 264 VAC
- Frequency Range : 47 - 63 Hz
- Power consumption : 75 W max



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SCAN TO EXPLORE MORE

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