B 200 **Practical Solution for Automation**

Technical specification

General information:

Machine type: Random access

Test speed: Constant 200 test/hour (Mono reagent or

Test principle: Colorimetric method, turbidimetry Test methos: 1 point end, 2 point end, Fixed-Time,

Calibrator type: Linear & nonlinear

Sample unit

Sample tray: 40 sample position Sample: Micro cup, sample cup, primary tube & blood collection tube (\$\Phi\$ 12-13)mm * (25-100)mm

Sample volume : $2-30\mu$ l, step by 0.1μ l

Sample probe: Liquid surface detection, timely tracking for liquid volume. Collision Protection

Reagent unit

Reagent tray: 40 reagent positions (40 for R1 & R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C. Reagent volume : $10-300\mu$ l, step by 1μ l

Reaction unit

Reaction tray: 44 reaction cuvettes, new pyrex

cuvettes, perfect transmittance Reaction volume : 150μ I-330 μ I

Temperature: Heating coil incubation system,

reaction temperature (37±0.1°C)

Mixing system

Mixer: Paddle-type mixing, effective and reducing carryover

Optical system

Light source : Halogen lamp

Wavelength: 340nm; 405nm; 450nm; 505nm; 546nm;

578nm; 630nm; 700nm (4 more options)

Absorbance range: 0-4.0 Abs Resolution: 0.0001 Abs

Operating system

Operation system: Windows 7, Windows 8, Windows 10

Report printing: 6 formats option.

support custom formats

Interface: pattern, TCP/IP network interface

Working conditions

Water consumption: 8L/hour (maximum)

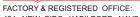
Dimension: 780mm * 565nm * 1120mm (L*W*H)

Weight: 80kg

Power Supply

 $220V \pm 10\%$, 50/60 Hz, 2000VA, Earthing voltage < 5V online ups (230V) with isolated transformer 2KVA





424, NEW GIDC, KABILPORE, NAVSARI - 396 424 (GUJ) INDIA TEL: +91-74900 41163 | E-mail: customersupport@beaconindia.com Web: www.beaconindia.com | CIN No.: U24232GJ1990PTC013764









B 200 **Practical Solution for Automation**

- Fully Automated Random Access Biochemistry Analyzer
- Throughput: 200 test/hour with double reagent
- On board refrigeration and laundry system
- Easy availability of system packs

www.beaconindia.com



40 Sample Position & 40 Reagent Position

On board refrigeration

Barcoded reagent system



High efficiency pyrex cuvettes

Individually replaceable cuvettes

Air incubation temperature control (37±0.1°C)



External and internal washing

Waterfall washing station of probe

Optimizing probe cleaning to avoid carry over



Teflon coated mixer

Ensure no water dropping (reduces carryover)

Homogenous mixing for accurate results



Onboard lamp window

Lamp alignment and calibration not required

Intensity measured Halogen lamp



Durable visible ceramic piston

Accurate dispensing with 0.1 µl step

Minimum maintenance



Windows XP, Windows 7, Windows 8, Windows 10

Rejected Cuvette Memory

Quality control L-J curve, waste guard and cum. mean



Practical **Solution** for Automation



CERAMIC PISTON : Precise and accurate pipetting (as low as 2μl) long life ceramic piston, save time & cost

BLACK BOX OPTICAL SYSTEM: Dust/Moisture Proof covered optical system increase efficiency, save time & cost

LAMP WINDOW: Easy to change long life lamp minimize downtime, save time & cost

CUVETTES: High precision, long lasting Pyrex cuvettes, individually replaceable, *save time & cost*

INSTRUMENT REAGENT SYNERGY: Barcoded System, Auto programming /positing of reagent. save time & cost

COMPLETE SOLUTION : System pack reagent, controls, calibrator.

Convenient inventory management

COST PER TEST: Proven Cost effectiveness

HbA1c	HDL	ASO TURBI	CRP TURBI	RF TURBI	LDL	LDH
ALBUMIN	GLUCOSE	AMYLASE	LIPASE	BILIRUBIN (T&D)	SGOT	SGPT
CALCIUM	CHOLESTEROL	UREA UV	CREATININE (ENZYMATIC)	MAGNESIUM	TOTAL PROTEIN	URIC ACID
PHOSPHORUS	CK-NAC	ALP	TG	And many more		