

BEACONIC

B200 Practical Solution for Automation

Technical specification

General information :

Machine type : Random access

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

Test principle : Colorimetric method, turbidimetry

Test methos : 1 point end, 2 point end, Fixed-Time, Kinetics

Calibrator type : Linear & nonlinear

1 Point Linear, 2 Point Linear, Exponential

Logi - 10g, 3P, 4P, Multi-point Linear, Spline, Line Graph

Sample unit

Sample tray : 40 sample position

Sample : Micro cup, primary tube & blood

collection tube (Φ 12-13)mm * (25-100)mm

Sample volume : 2-30μl, step by 0.1μl

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

Reagent unit

Reagent tray : 40 reagent positions

(40 for R1 & R2), Non-stop cooling system with peltier pad inside, 24 hours 8°C-14°C.

Reagent volume : 10-300μl, step by 1μl

Reaction unit

Reaction tray : 44 single reaction pyrex cuvettes, perfect transmittance

Reaction volume : 150μl-330μl

Temperature : Solid state heating system (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 10

Report printing : 6 formats option,

support custom formats

Interface : pattern, TCP/IP network interface

Working conditions

Water consumption : 8L/hour (maximum)

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

Weight : 80kg

Power Supply

220V ± 10%, 50/60 Hz, 1000VA,

Earthing voltage < 5V online ups (230V)

with isolated transformer 2KVA



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B200

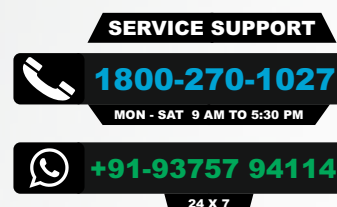


Practical Solution for Automation

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



FACTORY & REGISTERED OFFICE :
424, NEW GIDC, KABILPORE, NAVSARI - 396 424 (GUJ) INDIA
Web: www.thebeacongrou.co.in | CIN No.: U24232GJ1990PTC013764



BDPL/NOV/24/VBB200VER02



+91-8488995888

+91-8488994888 | +91-8488993888



beacontact@beaconindia.com



40 Sample Position & 40 Reagent Position
On board refrigeration
Barcoded reagent system



High efficiency pyrex cuvettes
Individually replaceable cuvettes
Solid state heating system (37±0.1°C)



External and internal washing
Waterfall washing station of probe
Optimizing probe cleaning to avoid carry over



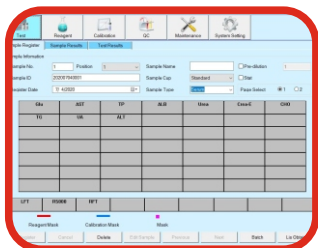
Teflon coated mixer
Ensure no water dropping (reduces carryover)
Homogenous mixing for accurate results



Onboard lamp window
Lamp alignment not required
Intensity measured Halogen lamp



Durable visible ceramic piston
Accurate dispensing with 0.1 µl step
Minimum maintenance



Windows 10
Rejected Cuvette Memory
Quality control L-J curve, westgard 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 & *cost of maintenance*

LAMP WINDOW : Easy to change lamp, minimize downtime

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

INSTRUMENT REAGENT SYNERGY : Barcoded System, Auto programming /positing of reagent

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	VITAMIN D	IRON*	