

Specifications

Assay Method	: End Point, Kinetic, Fix time, Turbidometry etc.
Principle	: Photoelectric Colorimetry
Light Source	: Halogen - Tungsten lamp with long life.
Photometry Range	: 0 ~ 4.0 Abs
Wavelength	: 9 long life wavelengths - 340, 405, 450, 510, 546, 578, 620, 660, 700.
Throughput	: 200 tests per hour
Probes	: 2 Probes, Reagent dispense and sample mixing.
Reagent Tray	: 40 Reagent positions, 10 - 400ul, with 1ul increment
Sample Tray	: 40 Sample positions, including standard, QC, STAT Positions, 2 ~ 50ul, with 0.1ul increment.
Reaction Tray	: 60 reusable reaction cuvettes.
Refrigeration	: On board cooling for Regents, Samples, Calibrators, Standards, Controls with ON / OFF switch.
Minimum Reaction Time	: 180 ul
Clean Unit	: 8 Step Auto washing System with warm water.
Water consumption	: Less than 5 L per hour under working status.
Quality Control	: QC program with Levy Jennings, Multiple Lots, QC Charts etc.
Temperature Control	: Incubator 37 ± 0.1°C.
Power Supply	: AC 200V, 50 Hz.
Dimension	: 415 mm x 555 mm x 385 mm.
Weight	: 30 kgs
Cuvette	: Special U.V. transmitting Plastic Cuvette.
Reaction time	: 150 ul - 500 ul.
Temperature	: 37 ± 0.1 C.
Mixing	: Independent Mixing Probe.

Features

- Fully Automated, Random Access, Bench Top.
- Photometric Sensitivity of the instrument 0.0001 ABS.
- Upto 40 Samples positions and 40 reagent positions with 60 reaction Cuvettes.
- On Board Cooling with ON / OFF Switch.
- Sample and reagent barcode (Optional).

Mfd. in Italy for

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PARAMEDICAL Srl
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BCA Smart

An *Italian* Technology



Unique high performance
stable optical system.

*Auto dilution
and Auto rerun.
Special water bed cooling
system for sample
and reagent compartment.*

BCA Smart



- Random access, 200 real tests / hour.
- Running status of the trays.
- Real time monitoring of the reagent residual volume.
- Intelligent carry over to adjust test sequence, STAT test priority.
- Real time monitoring of reaction curve.
- Real time diagnosis of the system status.
- Automated levels detection.

Compact design with accurate testing

Multi-function sample / reagent tray:

- 24 hours non-stop water cycle cooling system to ensure reagents 2 - 8°C.
- 40 reagents positions supporting 20 ml bottles.
- 40 sample positions : various primary tubes and special cups and can also be used.

- On board cooling with ON / OFF switch.
- Sample and reagent barcode (optional).
- Well designed 8 step laundry system.
- On board 60 reaction cuvettes.

High performance mixer:

- Mixing immediately after dispensing of sample and the second reagent.
- Optimal homogenization.
- Absence of cross contamination.

BCA Smart



Stable Optical System

- Highly accurate static state optical system.
- Spot photometry with high speed digital transmission system.
- 60 durable cuvettes located in a constant temperature incubator.
- 8 steps auto-washing system with deionized water.

Accuracy and precision

- Dual unattached durable ceramic syringes.
- Collision protection with automated stop and alarm.
- Liquid level detection.
- Probe depth adjusted automatically.
- In and out washing of the probe.

Reader System

- Cuvette : Special U.V. transmitting Plastic Cuvette.
- Reaction time : 150 ul - 500 ul.
- Temperature : 37 ± 0.1 C.
- Mixing : Independent Mixing Probe.

