

TECHNICAL SPECIFICATIONS **BTS**

SYSTEM OVERVIEW

User interface: 7" full colour touch screen LCD.

Reading modes: Absorbance, End-point, Kinetics, Differential mode, Fixed time. Mono and bichromatisme, with or without reagent blank for all modes.

Printer: Internal thermal printer

Database capacity: >1.000.000 results from patients, blanks, calibrations and QC (5GB of data)

Connectivity: Unidirectional LIMS connection. 2 x USB 3.0 Host, Ethernet RJ45

OPTICAL SYSTEMS

Light source: LED Technology (Optical bench patented by Biosystems)

Nominal range: -0.2 to 3.5 A

Wavelengths: 340-670 nm (340, 405, 505, 535, 560, 600, 635, 670)

Digital resolution: 0.0001 A for 2.0 A

Bandwidth: 5 nm ± 1 nm

PROGRAMMING

Programmed tests: All Biosystems tests (85 validated tests)

Additional new tests: >10.000 new tests (customized by customer)

Incubation times: From 5 to 9999 seconds

Reading times: From 1 to 60 minutes

Other functions: Formula for results adjustment, Linearity and detection limits check, Abnormal samples alarms

CALIBRATION

Factor, Calibrator, Multipoint calibration

Linear and non-linear

Repetition of a single point (in multi calibration).

FLOW CUVETTE

Flow cuvette: Optical Quartz glass

Flow cuvette volume: 18 µL

Sample vessels: Removable cuvettes (macro, semi-micro and micro) and round tubes (12 mm diameter)

THERMOSTAT SYSTEM

Thermostatisation range: Peltier system from 25-40°C

Accuracy of the temperature: ± 0.5° C

Temperature stability: ± 0.2° C in 30 minutes

INSTALLATION

Electrical requirements: 100 V to 240 V AC, 50/60 Hz

Instrument Power Consumption: 5 W performing measurements 2 W during stand-by

Temperature: 10-35°C

Max. Rel. humidity: 85%

Size (H x W x D): 180 mm x 245 mm x 438 mm (7.1 in x 9.6 in x 17.3 in)

Weight: 4,3 kg. (9.43 lb)



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• Certified Management System
• EN ISO 9001
• EN ISO 13485



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LED TECHNOLOGY

