TECHNICAL SPECIFICATIONS

OPTICAL SYSTEMS:

Range of measurement: 0-3.0 A all wavelengths
Wavelengths: 340, 405, 505, 535, 560, 600, 635, 670 nm
Plus 2 free positions for optional filter and 1 filter IR Ref
Semi Half Bandwidth: 5 nm ± 1 nm
Light Source: LEDs
Settings: monochromatic and bichromatic

THERMOSTAT SYSTEM

Peltier system from 25-40 °C

FLUIDIC SYSTEM

Continuous flow system with peristaltic pump incorporated
Stepper motor pump operation
Sipping volume can be programmed from 100 µl to 5 ml
Automatic adjustment of sample volume
Automatic adjustment of sample position

CUVETTES

Flow Cuvette of 18 µl
Removable Cuvette: macro, semi-micro and micro
Round tubes with 12 mm

PRINTER SCREEN AND KEYBOARD

Thermic printer
Screen: graphic LCD lighted screen 320 x 240 px
Keyboard: tactile membrane

METHODS OF CALCULATION

Absorbance
End Point
Kinetic
Differential Mode
Fixed Time
Ratiometric Mode
Cut Off

CALIBRATION

Factor
Calibrator
Calibration Curve

CALIBRATION CURVE

Up to 8 Calibration points
Up to 3 replicates per point
Axis: Linear and log
Calculation Functions: spline, linear regression, quadratic regression, polygonal

PROGRAMMING

Table of techniques up to 150
Table of units: up to 50 units of 8 characters
Personalization of the Instrument
Control of screen and printer
Quality control storage of the last 31 results
Software in 13 Languages
Storage up to 2000 Patients Results

KINETIC ANALYSIS

Reaction speed calculation by linear regression
31 measurements of absorbance during the pre-programmed time period

QUALITY CONTROL

2 controls per test
Levey-Jennings control chart
Westgard´s Rules

INSTALLATION CHARACTERISTICS

Voltage: 100V-240 V
Frequency: 50/60 Hz
Maximum power: 30 W
Temperature: 10-35 °C
Max Rel humidity: 75 %
Height: <2000 m
Dimensions: 420 x 350 x 216 mm
Weight: 4 kg

OPTIONAL: Battery Pack:

Capacity: 2000 mAh
Duration: 2 hrs

BTS 350

CE

BioSystems

www.tuv.com ID:9091006696 TÜVRheinland

- Certified Management System
- EN ISO 9001
- EN ISO 13485

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BTS/05-09
Cod. 99777

BTS 350

SEMIAUTOMATIC ANALYZER

At the forefront of diagnostic technology

BioSystems
REAGENTS & INSTRUMENTS

State Of The Art Technology ...At Your Fingertips

BTS 350

*Aware of the critical role laboratories play in the health of the community, **BioSystems** pursues excellence with regards to quality and reliability without compromise. In this context, **BioSystems** offers the new streamline designed **BTS-350** semi-automatic analyzer with durable mechanics, advance optics and innovative **LED** powered system. This stylish but robust **BTS-350** addresses the needs of any laboratory with special attention to optimize consumption and low maintenance.*

Hardware

LEDs:

The BTS-350 is truly a new generation in the class of semi-automatic analyzers as it is the ONLY analyzer with a complete range of LEDs optimized for Biochemistry and Turbidimetric assays. The LEDs not only have low energy consumption, they also have practically unlimited lifetime.

HCF:

Incorporating state-of-the-art optics with an innovative design, the BTS-350 has Hard Coated Filters with extensive lifespan and an optical system designed to optimize measurements for both Biochemistry and Turbidimetric assays

Minimal Energy Consumption and Low Maintenance:

In conjunction with the LEDs and HCF, the BTS-350 is designed to avoid frequent parts replacement and consumes negligible energy. Consequently, both operation and maintenance cost are kept low.

Advanced Ergonomic Design:

In addition, the BTS-350 is equipped with a very sensitive aspiration pulse sensor directly at the back of the reaction tube allowing easy manipulation of different samples.

Power Failure Protection:

The BTS-350 is designed with the use anywhere anytime concept in mind. The instrument is supplied with an Optional Battery Pack that is charged automatically when the instrument is connected to a normal electrical feed and provides 2hrs of back-up energy for those critical times when there is no electricity.

Software

User Friendly Interface (straightforward software):

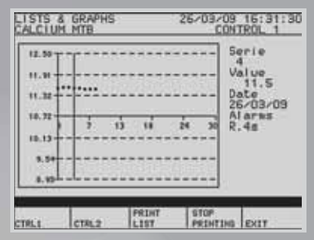
The BS-350 software has been designed with the user in mind. The software is straightforward and very easy to use; thus, offering both flexibility and simplicity.

Comprehensive Test Panel:

With its capacity to store up to 2000 results, 150 pre-programmed techniques and quality control tracking, the BTS-350 is not only compact but also very versatile as it offers numerous measurement modes: Endpoint, Kinetics, Differential Mode, Fixed-time, Absorbance, etc

USB Port:

In addition to the built-in thermal Printer, data (graphs and results) can be printed out/archived/exported with the use of a USB Flash Memory Drive



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