

# BT1500



## New from Biotecnica

Compact High Throughput Random Access Chemistry Analyser

*“Small in size...  
...Big in performances!”*

- Ergonomic Compact Styling • Up to 250 Tests Per Hour Throughput • Programmable 500 Test Directory
- On Board Washing System • Liquid Detection Sensor Anti-Probe Crash System
- Positive Sample & Reagent Identification (optional) • Continuous Reagent Inventory Monitoring
- QC History Archive • Patient Report Archive

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## BT1500

## TECHNICAL SPECIFICATIONS

THROUGHPUT	Up to 250 Tests/Hr
ISE MODULE ON BOARD	Not available
NUMBER OF REAGENTS	48 Total 24 using 50 ml vessels 24 using 10 or 20 ml vessels
REFRIGERATED REAGENT BAY	yes
REACTION VOLUME	From 180 to 400 $\mu$ l
READING CUVETTES	32 non-disposable optical glass
SAMPLE VOLUME	From 1.8 to 100 $\mu$ l
SAMPLING ARMS	1 for Serum and Reagents
SAMPLE TRAY # OF POSITIONS	78 Total 62 Samples – 16 Standards and Controls
TEST MODES	Random Access, Batch, STAT
TEST DIRECTORY	Up to 500
CUVETTE TEMP. CONTROL	Peltier System OFF/30/32/37°C ( $\pm$ 0.2°)
VACUUM PUMP	Internal
PHOTOMETER	Solid State 10 Channel + reference channel
PHOTOMETER ACCURACY	$\pm$ 1% (0-2 O.D.), $\pm$ 2,5 % (2-3 O.D.)
PHOTOMETER SENSITIVITY	$\pm$ 0.001 Abs.
DILUTER	1 – Long Life Ceramic 340 $\mu$ l
DILUTER PRECISION	$\pm$ 0.1% f.s.
DILUTER RESOLUTION	$\pm$ 0.1 $\mu$ l
BAR CODE	Optional, both for Reagents & Samples
COMPUTER	External PC -optional- See PC minimum requirements below
PERIPHERALS	Optional, on request printer & UPS
PROCESS ELECTRONICS	7 microcontroller. I <sup>2</sup> CBUS Protocol
INTERFACE	USB 2.0 to PC
BUILT IN QC PROGRAM	Yes/3 Levels Known, 3 Levels Unknown
MAINTENANCE	Software Assisted
POWER SUPPLY	Universal Input 100/240 Volt, 50-60 Hz, 300 Watt, PFC
U.P.S.	1000 Watt - Optional
DIMENSIONS	Height – 51cm (20”), Width – 78cm (30.7”), Depth – 58cm (22.8”)
WEIGHT	53 Kg (116 lb)
CLOT SENSOR	Not available

## EXTERNAL PC MINIMUM REQUIREMENTS FOR BT1500

OPERATIVE SYSTEM	Windows® 2000 Professional Windows® XP Windows® 7 - 8 (32 - 64 bit Professional)
COMPUTER	IBM compatible
PROCESSOR	Pentium Dual core duo
RAM	1Gb (2Gb for Windows Vista)
VIDEO	SVGA or compatible, 32K colors
DISPLAY	Color resolution: 4:3 min 800x600 ; 16:9 min 1280x720
MOUSE	Serial, PS2 or USB, 2+1 buttons
HOST COMMUNICATION	RS232 or LAN (TCP/IP)
USB	1, version 2.0 for communication with the analyzer
PARALLEL PORT	1, if the printer has a parallel port
PRINTER	Windows compatible Deskjet, Inkjet or Laser. (printer must be installed on the PC before installing the operative software)
CD ROM	DVD reader
HD	5Gb free

Note: use a standard theme for all the windows and font 96 DPI

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