


BT4500

TECHNICAL SPECIFICATIONS

THROUGHPUT	up to 450 Tests/hr Chemical Chemistry; up to 690Test/h with I.S.E
I.S.E. MODULE	Direct potentiometry Serum and diluted Urine
NUMBER OF REAGENTS	40+40 Total
REFRIGERATED REAGENT BAY	Yes
REACTION VOLUME	from 180 to 400 µl
SAMPLE VOLUME	from 1,5 to 200µl
READING CUVETTES	84 non-disposable optical glass
SAMPLING ARMS	1 for Serum , 2 for Reagents
SAMPLES TRAY	4 Sectors of 25 Samples each
STD & CONTROLS TRAY	26 Calibrator & Controls positions, Refrigerated
TEST MODES	Sequential Access, Batch, STAT
TEST DIRECTORY	Up to 500 + Relation Test
CUVETTE TEMP.	Dry Control OFF/37°C (± 0.2° C)
VACUUM PUMP	On board Vacuum System
PHOTOMETER	Solid State, up to 14 Channel 348-800 nm
ABSORBANCE RANGE	0 - 3 Abs.
PHOTOMETER SENSITIVITY	± 0.001 Abs.
DILUTER	1 x 220 µl, 2 x 470 µl (Long Life Ceramic)
DILUTER PRECISION	± 0.1%
DILUTER RESOLUTION	± 0.1 µl for serum ; ± 1 µl for reagents
BAR CODE	Internal: for Reagents & Samples
CLOT SENSOR	YES
CRASH SENSOR	YES
COMPUTER	External PC.
PERIPHERALS	Inkjet Printer & UPS
INTERFACE	USB - RS232 Bidirectional + TCP/IP
QC PROGRAM	3 Known Levels, 3 Unknown Levels
MAINTENANCE	Software Assisted
POWER SUPPLY	Universal input 100/240 Volt, 50-60 Hz, 400 Watt, PFC
U.P.S.	1500 Watt
DIMENSIONS	127 cm (W) - 77 cm (D) - 119 cm (H)
WEIGHT	162 Kg

TECHNICAL SPECIFICATIONS EXTERNAL PC

OPERATIVE SYSTEM:	Windows® 7/8 Professional 
COMPUTER:	IBM compatible
PROCESSOR:	Intel® Pentium Dual core duo
RAM:	2 GB
VIDEO:	SVGA or compatible, 32K colors
DISPLAY:	Color, resolution min. 1366 x 768
MOUSE:	Serial, PS2, USB
HOST COMMUNICATION:	RS232, TCP/IP
USB:	1, version 2.0
PRINTER:	External Inkjet or Laser
CD ROM:	DVD or CD

Rev. 3/13

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Features may change without notice.

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RANDOM ACCESS CHEMISTRY ANALYZER

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The **BT4500** is a new floor model Clinical Chemistry that includes a built-in four parameter I.S.E. module.

The analyzer has a throughput of 450 test/hr. for clinical chemistry and a throughput of 240 test/hr. for I.S.E testing, providing up to a combined throughput of 690 test/hr.

The analyzer has three sampling arms, one for samples, and two for reagents. The samples tray allows for 100 position and the refrigerated reagents plate is designed with 40+40 positions. A dedicated container is available for lysing solution and three additional containers are available for auxiliary sample dilution solutions.

The sampling arms are equipped with a new mechanical design for the detection of any obstruction and a new device for quick movement of the needle, allowing for efficient mixing reagents and solutions. The positioning of the arms makes use of new high-precision encoders. All sampling arms come equipped with clot detection sensors which can monitor the operations of each cycle of the machine indicating hydraulic malfunctions.

