



# Clinical Chemistry Analyzer BAS-100 TS

## TOUCH SCREEN Semi-Automatic Biochemistry Analyzer



**Spectro BAS-100 TOUCH SCREEN** is a new concept designed clinical chemistry analyzing system for biochemical research and clinical diagnostics. Powerful data process functions make it easy to perform data management and statistics: report may be in single test or with completed patient data, which will be convenient for clinical diagnostics. Single chip machine, WindowsCE operating system, does not require Windows XP or Windows 7. The BAS-100 TS is open to being used with all brands of biochemistry reagents. It is very user-friendly and easy to use, requiring minimal training or supervision to get started.

### Features

This **BAS-100TS** can be used by suction pump or by cuvette only.

- Microprocessor controlled
- 7.0 inch TFT Color touch screen, 800x480 pixels
- Silicon Photodiode Detector
- Testing Method: End point, fixed time, Kinetic, Bichromatic and Immunoturbidimetric
- USB Mouse; USB keypad; USB Printer
- Programmable
- Enzyme kinetic GPT GOT tests
- BAS-100TS uses both a suction pump system and a cuvette system for analytical testing.
- This biochemistry analyzer can test samples in two ways, by suction pump or by cuvette alone.
- Wide continuous wavelength range
- Built-in printer, 57mm printer paper
- Built-in flow through system
- Window CE 6.0, high capacity storage, 200 assay program, 200000 results
- 110-240V, 50Hz or 60Hz
- Computer System is optional (NOT INCLUDED)
- Absorbance, concentration, factor, 1 point end point, 2 point end (Sample blank), fixed time, kinetic, and dichromatic, immunoturbidimetric. Coagulation (optional).

### Accessories

- |                 |                       |                         |         |
|-----------------|-----------------------|-------------------------|---------|
| 1 Power Cable   | 1 Aspiration Tube     | 5 Clotting Cuvettes     | 1 Mouse |
| 1 Pump Cassette | 2 Printer Paper Rolls | 1 Instruction Manual CD |         |
| 1 Waste Tube    | 1 Lamp House          | 1 Keyboard              |         |

### Technical Specifications

Display:	7.0 inch TFT Color touch screen, 26000 pixel, 800x480 resolution, real time display	Vacuum system programmable 200 - 500 ul at least
Light Source: (long life)	6V 10W Halogen Lamp, 2000 hr. service life with auto shutdown	Assay method: Absorbance, concentration, factor, 1 point end point, 2 point end (Sample blank), fixed time, kinetic, and dichromatic, immunoturbidimetric. Coagulation (optional).
Wavelength: (5 years warranty for each filter)	Optics: 7 filters, 340, 405, 450, 505, 546, 578, 630.	USB Port: USB Mouse; USB keypad; USB Printer 4 USB Ports, Supports all HP series inkjet printers. Computer controlled software, LIS system available. External scanner available.
Absorbance Range:	0.0000-2.5000 (10mm flowcell) 0.0000-3.5000 (6mm flowcell)	Software: Supports remote diagnostics. Window CE 6.0, high capacity storage 200 assay program, 200000 results Unlimited storage by computer
Carry Over:	<1%	Operation Manual: Available in 4 different languages
Absorbance Precision:	0.0001Abs	Power Supply: 110-240V, 50Hz or 60Hz
Absorbance Drift:	<0.005Abs/hour	CPU: ARM Cortex-A8, 720MHz
Absorbance Repeatability:	CV<1%	Memory: DDR2 SDRAM: 1G bit, Flash: 256 MB Over 200 programs, 200,000 results can be stored
Incubation Temperature:	37 C, room temperature+0.1C	Operational Environment: Temperature: 10°~37°. Humidity: ≤85%.
QC Analysis:	L-J QC chart, Westguard multi-regulation analysis	Weight: 17 lbs. / 7.5 kg.
Built-in Thermal Printer:	Built-in Stylus/Thermal Printer, paper alarm, transparent cover, easy installation	Dimensions: 410mm (L) x 310mm (W) 155mm. (H)
Spectral Band:	< 8 nm	
Photometric Range:	0 - 3.5 Abs	
Stability:	<0.005Abs/hour	
Detector:	Photo Diode	



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### Test Menu

- |               |            |                     |          |           |         |
|---------------|------------|---------------------|----------|-----------|---------|
| • T. BILI     | • R-GT/GGT | • CHO               | • Ca     | • APOB-IB | • CHE   |
| • D. BILI     | • ALP/AKP  | • TG                | • CL     | • APOB    | • CREA  |
| • TP          | • UREA     | • CK                | • P      | • CK-MB   | • Mg    |
| • ALB         | • CREA     | • LDH               | • C      | • ASO     | • AFU   |
| • Lactic Acid | • ALT/GPT  | • UA                | • a-HBDH | • CO2     | • FMN   |
| • LP (a)      | • AST/GOT  | • GLU               | • AMY    | • LOL-C   | • HDL-C |
| • CHE         | • LA       | • TBA               | • ADA    | • HS-CRP  | • PA    |
| • Fe          | • Cu       | • Zn                | • C3     | • C4      | • LgC   |
| • LgM         | • LgA      | • and drug toxicity |          |           |         |

T. BILI	Total Bilirubin	APOB-IB	Apolipoprotein-B
D. BILI	Direct Bilirubin	APOB	Apolipoprotein-B
TP	Total Protein	CK-MB	Creatine Kinase-MB
ALB	Albumin	ASO	Antibody Streptolysin O
Lactic Acid	Lactic Acid	CO2	Carbon Dioxide
LP (a)	Lipoprotein A	LOL-C	
CHE	Cholinesterase	HS-CRP	High Sensitivity C-Reactive Protein
Fe	Iron	C4	Complement Component 4
LgM		CHE	Acetylcholinesterase
R-GT/GGT	Reflocheck Glucose/Gamma Glutamyl Transferase	Mg	Magnesium
ALP/AKP	Alkaline Phosphatase	AFU	Alpha-L-Fucosidase
UREA	Urea	FMN	Flavin Mono Nucleotide
CREA	Creatinine	HDL-C	High Density Lipoprotein-C
ALT/GPT	Alanine Aminotransferase/Glutamate Pyruvate Transaminase	PA	
AST/GOT	Aspartate Aminotransferase/Serum glutamic-oxaloacetic transaminase	LgC	
LA		and drug toxicity	
Cu	Copper		
LgA		HbA1C	Glycated Hemoglobin
CHO	Chinese Hamster Ovary		
TG	Thyroglobulin		
CK	Creatinine Kinase		
LDH	Lactate Dihydrogenase		
UA	Urinalysis		
GLU	Glucose		
TBA	Total Bile Acids		
Zn	Zinc		
Ca	Calcium		
CL	Chlorine		
P	Phosphorus		
C	Carbon		
A-HBDH	alpha-hydroxy butyrate dehydrogenase		
AMY	Amylase		
ADA	Adenosine Deaminase		
C3	Complement Component 3		