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"Follow the evolution"

3000EVOLUTION



“ SEMIAUTOMATIC
LABORATORY ANALYZER
FOR CLINICAL CHEMISTRY
TESTS ”

**OUR RELIABILITY
ACROSS THE YEARS**

BSI, LABORATORY



OEM VERSION
AVAILABLE UPON
REQUEST

COMPACT DESIGN

GRAPHIC DISPLAY

PC KEYBOARD PLUG-IN
FOR EASIER DATA ENTRY

RELIABILITY

LOW MAINTENANCE

Strengths

LARGE AND GRAPHICAL DISPLAY

- Support local languages (optional)
- Real time plot for Kinetic and Fixed time

PATIENT AND QC DATA STORAGE FOR RECALL

- Print out by patient, tests and date report with patient name
- Storage 2 level QC data with Levey-Jennings plot

LOW MAINTENANCE COST

- Lamp saving
- Blank value memory
- Low sample volume

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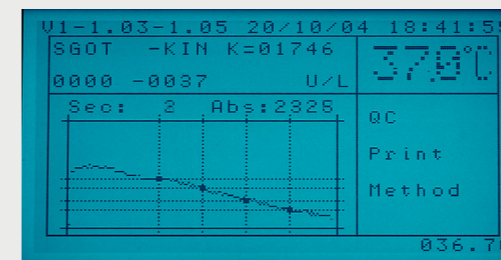
THE SYSTEM

Semi-automatic analyzer completely managed by microprocessor and equipped with a wide graphic display, 10 positions thermostat programmable from 20 to 40°C. The 3000EVOLUTION stores up to 120 different test programs to be recalled by keyboard and 400 test results to be recalled by sample ID, date or test number. Sample ID number is selectable and displayed

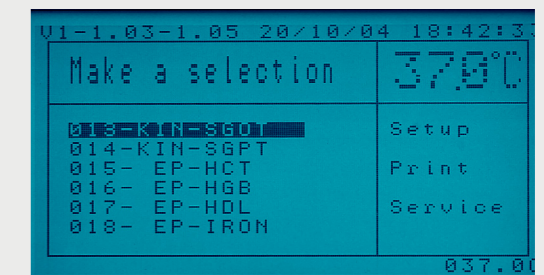
before testing. Fully open system. The 3000EVOLUTION is totally re-programmable through the serial port. Easy customization of header on report print out. Optics and automatic filter selection assures reliable and repeatable measurements. Calculation is performed automatically so that results are displayed or printed out directly in the required measuring unit.

THE SOFTWARE

MAIN MENU



REAL TIME GRAPH



SOFTWARE STRENGTHS

- Menu selection by keyboard arrow keys
- Display real time temperature
- Simple keyboard
- Host PC connection for software upgrade and data transmission
- Optional PC keyboard plug-in for data entry
- Enter patient names (some language optional)

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TECHNICAL FEATURES

Operating Modes	Absorbance, End-Point, Kinetic, Fixed Time, Multistandard, Differential
Flow cell	18 μ L
Typical working volume	500 μ L
Minimum working volume	350 μ L
Carry over	< 1%
Intake	peristaltic pump with programmable intake volume and air gap setting
Lamp	12V, 20W halogen (lamp saving)
Spectral range	320 to 690 nm
Filters wavelengths	340, 405, 492, 505, 546, 578, 630 nm; 1 empty position
Reading	Monochromatic, Bichromatic
Reagent blank saving	included
Measuring range	from - 0.200 to 2.500 O.D.
Photometric accuracy	$\pm 1\%$ from 0 to 2.000 O.D.
Photometric linearity	$\pm 1\%$ from 0 to 2.000 O.D.
Reproducibility	CV <1% from 0 to 2.000 O.D.
Results memory	400 test results
ID sample	selectable
QC program	last 30 results, 2 levels for 30 selectable tests with Levey-Jennings Plot
Display	Graphic 240 x 128 pixels
Language	English, Italian, 2 other languages on request
Keyboard	8 keys multifunctional keyboard or external connection for PS2 keyboard
Incubator	10 positions; $\pm 0.2^{\circ}\text{C}$
Incubator temperature	selectable from 20°C to 40°C

Biochemical Systems International reserves the right to modify technical features without prior notice

ORIGINAL
MANUFACTURER



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BIOCHEMICAL SYSTEMS INTERNATIONAL is an Italian company, which operates in national and international market, specialized in ideation, research, development and production of advanced diagnostic systems.