



**B**iochemical **S**ystems **I**nternational Srl

**3000  
EVOLUTION**

**THE NEW SEMI AUTOMATIC  
LABORATORY ANALYSER  
FOR CLINICAL CHEMISTRY TESTS**

FOLLOW THE EVOLUTION,  
FOLLOW THE PROGRESS



**3000  
EVOLUTION**

Semi-automatic analyser completely managed by microprocessor and equipped with a big graphic display, 10 positions thermostat programmable from 20 to 40°C.

The **3000 EVOLUTION** 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.

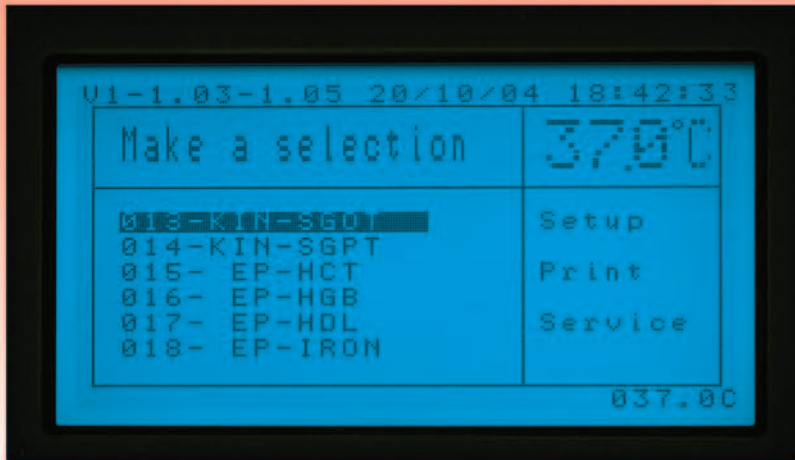
Sample ID number is selectable and displayed before testing. Fully open system.

The **3000 EVOLUTION** is totally re-programmable through the serial port. Personalised logo printing can be programmed by the customer. The optics and the automatic filter selection assure reliable and repeatable measurements.

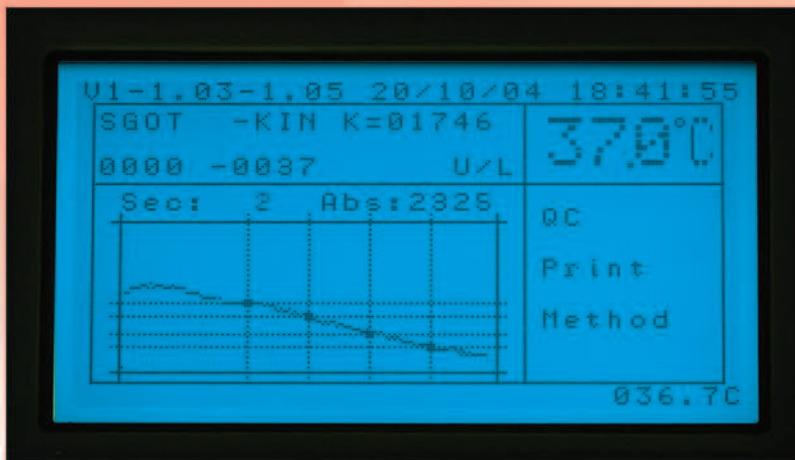
Calculation is performed automatically so that results are displayed or printed out directly in the required measuring unit. Data Handling Software available.

## Compact Design New Graphical Display

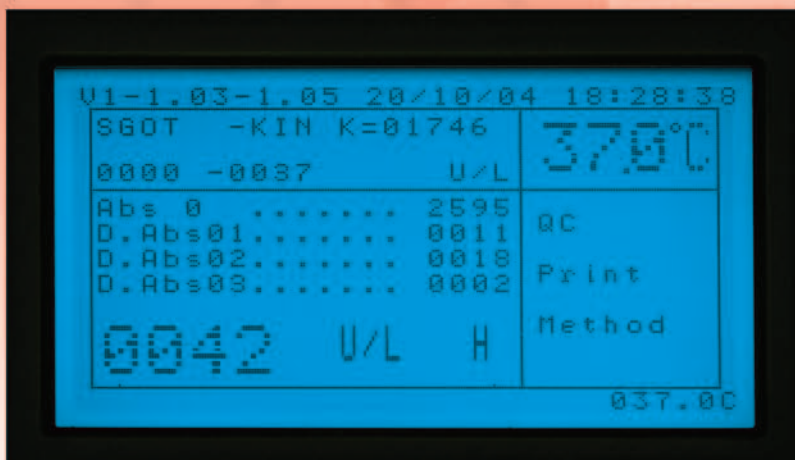




Main Menu



Dynamic Graph



Test Result

**Large, Graphical display**

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

**Convinces software**

- 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)

**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

*Technical Features*

Operating Modes:	Absorbance, End-Point, Kinetic, Fixed Time, Multistandard, Differential
Flow cell:	18 $\mu$ L
Typical working volume:	500 $\mu$ L
Minimum working volume:	350 $\mu$ L
Carry over:	< 1%
Intake:	peristaltic pump with programmable intake volume and air gap setting
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 pixel
Language:	English, Italian, 2 other language on request
Keyboard:	8 Keys multifunctional keyboard or external connection for PS2 keyboard
Incubator:	10 position; $\pm$ 0.2°C
Incubator Temperature:	selectable from 20°C to 40°C
Cuvette:	squared or cylindrical cuvette
Printer:	built-in graphic 24 columns
External port:	serial RS232
Power supply:	Auto sensing (80 – 260 V)
Dimension:	35x34x24 cm
Weight:	11 kg

OEM version available upon request

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