

Jolly 102[®]

THE LITTLE GIANT



Jolly 102 is a smartly conceived low cost automatic PHOTOMETER for clinical chemistry. Sophisticated software with graphic presentation brings new dimensions in testing of routine clinical chemistries, special chemistries and STATS. Ideal in any size clinical laboratory.

Smartly designed Icons display and guide the operator step by step through all operations. It is user friendly and simple to operate. Over 150 user programmable chemistry methods and 300 patient results can be stored in memory. The software program offers a choice of 5 built-in languages: English, Italian, French, Spanish and Portuguese. In the model 102T a built-in thermostat for 12 test tubes and a reagent bottle makes the system independent for incubation of any test.

Jolly 102 has a well proven optical system with years of experience, linked with a powerful micro-processor and a sophisticated software package that makes this LITTLE PHOTOMETER a GIANT.

TECHNICAL DATA

PHOTOMETER MODULE

- Automatic wavelength selection with 9 narrow band interference filters of which 6 are built-in: 340nm, 510nm, 546nm, 578nm, 578nm and 620nm plus three optional filters available upon request.

Stray light: less than 0.1% Transmission

Photometric range: 0 to 2.500 Absorbance

Detector: Solid state

Linearity: better than 3% at 2.000A

Resolution: 0.0005 A.

Light source: Halogen lamp 6 Volt, 10 Watt

MICRO FLOW-CELL: temperature controlled with Peltier effect set to OFF, 25, 30 or 37°C ± 0.2°C. Total volume - 70 µl with a 10 mm light path.

- Built-in PERISTALTIC PUMP to fill and empty the flow-cell. Aspiration volumes from 250 µl to 2000 µl.

TYPE OF MEASUREMENT

END POINTS, KINETIC, FIXED TIME, BICHROMATIC, DIFFERENTIAL, MULTI-STANDARD with up to 12 calibration points and LOG/LOGIT for IMMUNOASSAY testing. All methods can be run with or without Reagent Blank correction, against a Factor or Standard.

- A built-in MICRO - PROCESSOR with 256 Kbyte memory and 128 Kbyte of battery backup RAM, controls all operations in the photometer.


DISPLAY: LCD graphic monitor - 125 mm x 70 mm.

PRINTER: built-in a 20 digit alpha-numerical thermal printer.

KEYBOARD: only 5 keys can do everything and will simplify operation.

- User programmable over 150 CHEMISTRY METHODS.
- Over 300 PATIENT results are kept in memory.
- Bi-directional INPUT-OUTPUT via RS232/C interface to external computer.

ALL CALCULATIONS: are based on a mean of multiple reading done at 5 measurements per sec.

- A BUILT-IN THERMOSTAT at 37°C to incubate 12 test tubes and a reagent bottle (only for Jolly 102T).
- The photometer is manufactured according to the regulations and standards set by the European Common Market. 

SPECIAL SOFTWARE: The most important features of the **Jolly 102** is its software. All measurements are graphically displayed. Each kinetic measurement displays its curve as it is being done, showing its activity change on-line. Many useful features have been built-in to make this instrument more versatile and user friendly, including a diagnostic and MAINTENANCE test program that checks every operating function in the photometer - to make both maintenance and service easy.

Dimensions: 40 x 29.5 x 31 cm

Net weight: 9 Kg.

Power Requirements: 220/110V - 50/60 Hz

* All specifications are subject to change without prior notice.

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