

Jolly 103[®]

THE LITTLE GIANT



Jolly 103 is a smartly conceived automatic photometer for clinical chemistry and immunoassay. A sophisticated software with graphic presentation, brings new dimension in testing of routine clinical chemistry, STATS and immunoassay. Smartly designed icons, display and guide the operator step by step through all operations. 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.

Jolly 103 has a new up-dated optical system with chopper to eliminate drift and stray light. Measurements are possible in the Peltier controlled micro-flow-cell and/or in an individual 10 mm square micro or macro cuvette. Use of the individual cuvettes opens the way to new method applications and reagent saving in the case of differential or Reagent Blank methodologies.

Jolly 103 T includes a built-in thermostat at 37°C to accommodate 12 test tubes and a reagent bottle.

TECHNICAL DATA

PHOTOMETER MODULE

- Automatic wavelength selection with 9 narrow band interference filters of which six are built-in: 340nm, 405nm, 510nm, 546nm, 578nm and 620nm plus 3 are optional - 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: Healogen lamp - 6 Volt, 10 Watt

MICRO FLOW-CELL:

Temperature controlled with Peltier effect set to 25, 30 or 37°C ± 0.1 C. Total volume - 70 ul with a 10 mm light path.

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

MICRO OR MACRO CUVETTE

A square plastic or glass cuvettes (10 mm optical path) can be used, for manual and repeat measurements.

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 Kb memory and 128 Kb of a battery back-up RAM, control 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 to simplify operation.

- User programmable over 150 chemistry methods.
- Over 300 patient result are kept in memory.
- Bi-directional Input-Output via RS232/C interface to outside computers.
- The photometer is manufactured according to the regulations and  standards set by the European Common Market. **CE**

SPECIAL SOFTWARE:

Some of the unique features of the **Jolly 103** is its software. All measurements are graphically displayed. Each kinetic measurement displays its curve as it is being measured, 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

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

Net weight: 9 Kg.

* All specifications are subject to change without prior notice.

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