Jolly 100®

THE LITTLE GIANT

CRONY® INSTRUMENTS S.R.L.

Jolly 100 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, STATS and immunoassays. Ideal in any size clinical laboratory.

Smartly designed Icons display and guide the operator step by step throught all operations. It is user friendly and simple to operate. Over 100 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 100 has a well proven optical system with years of experience, linked with a powerful microprocessor 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, 405nm, 510nm, 546nm, 578nm and 620nm plus 3 optional - available upon request.
Stray light: less then 0.1% Trasmission
Photometric range: 0 to 2.500 Absorbance
Detector: Solid state
Linearity: better then 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 25, 30 or 37°C ± 0.1°C. Total volume - 70 µl with a 10 mm light parth.
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 back-up RAM, controls all operations in the photometer.

DISPLAY: LCD graphic monitor - 125 mm x 70 mm.
PRINTER: built-in, 20 digit alpha-numerical thermal printer.
KEYBOARD: only 5 keys can do everything and will simplify operation.

- User programmable over 100 chemistry methods.
- Over 300 patient results are kept in memory.
- Bi-directional Input-Output via RS232/C interface to external computer.
- The photometer is manufactured according to the regulations and standards set by the European Common Market. CE

SPECIAL SOFTWARE: The most important features of the *Jolly* 100 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
Power Requirements: 220/110V - 50/60 Hz

* All specifications are subject to change without prior notice.

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