

## Microplate Reader Mod. DV 990 BV4 & BV6

### MAIN SPECIFICATION

- Rack holder for 96 wells microplates
- Wavelength range 380-720nm.
- Automatic filter selection supplied with narrow band interference filters:
- B/4 four filters (405-450-492-620 nm) or other wavelength on request in the range 380-720nm.
- B/6 six filters (405-450-492-550-620 670nm) or other wavelength on request in the range 380-720nm.
- Readings single wavelength, double wavelength (A-B), or multiple (dual wavelength) for measurement range expansion
- Fast reading single double wavelength 8" / trichromatic14"
- Plate shaking before readings
- Measurement range 0-3A or 0-9A in dual wavelength mode.
- Linearity  $\pm 1\%$
- LCD back-lit 4 lines display (English language)
- 24 keys membrane keyboard with 42 functions.
- Bi-directional RS232 interface
- Parallel output for printer
- 30 storable programs
- Blank and standard assignments.

### METHODS

**CUT OFF:** print out of 96 wells absorbance values with **P** or **N** marker for each well in matrix or one line each sample format.

**QUANTITATIVE:** up to 7 standards in single or duplicate. Print out four parameters or polygonal regression curve in linear or logarithmic scale; prompt for eventual aberrant curve points' modification. Absorbance and concentration print out in matrix or one line each sample format

DV 990BV READER is a stand-alone programmable system: printing-data with printer EPSON LQ300 -LX300, Deskjet 920 HP or 940HP

DV 990BV READER can be connected to PC with the software DV990Win5, DV990Win6.

### SOFTWARE DV990win6

- Easy data entry with suggestion for the operator..
- Programs for qualitative, quantitative and kinetics analysis
- Scheme of the microplate.
- Patient list.
- Results saved on files to be utilized with additional programs
- Readings: single wavelength, double wavelength (A-B), or multiple
- Memorization of standard
- Replicates

#### Cut-off

- Flexible wells assignment of blanks and controls.
- 8 cut off levels subordinate to controls absorbance values signed with **P** or **N** marker - 8 validation formulas with error signal
- Printed results: in matrix or one line each sample format.

#### Quantitative

- /7 standards
- -Regression curve: stray line, polygonal, spline and 4 parameters
- -Graphic scale: linear or logarithmic.
- -Printed results: in matrix or one line each sample format. 2 a 7 standard;
- Curve presentation lin - lin and lin-log.

- **Kinetic:** Number and time programmable- Calculation in quantitative mode