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GLOBAL DIAGNOSTICS B



# MICRO READ 1000

## ELISA Plate Analyser



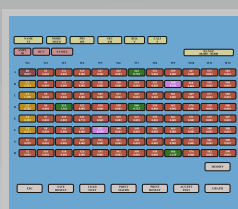
**Reads Micro Plates Precisely**

## FEATURES

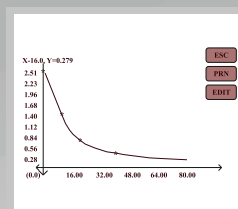
- Accommodates different microplate geometries U, V & Flat
- Plate shaking facility with variable speed and duration
- Ability to read plate within seconds
- Digital light control with unique circuit for long lamp life
- Bichromatic readings
- Flexible controls and calibrators positioning
- Storage of calibration curves & controls
- External printer connectivity
- Patient report with PID & name
- Various Graph curve fit mode : Linear, Point to Point, 4 parameter log regression, Cubic Spline, Polynomial with scales such as Log Abs / Conc, Logit Abs / Log Conc, Abs / Conc, Log Abs / Log Conc etc.
- Matrix mode for result printing
- Storage of plate results
- Data transfer to computer with easy view of results in Excel format



Printer



Display



Graph

## TECHNICAL SPECIFICATIONS

### OPTICAL SYSTEM

Linear measurement range	: 0.000 to 3.500 absorbance units(A)
Photometric accuracy	: $\pm 2\%$ or 0.007 whichever is higher from 0 to 1.5 A, $\pm 3\%$ from 1.5 A to 3.5 A
Drift	: $<0.005$ A/hr
Resolution	: 0.001
Light source	: Halogen

### FILTERS

Type of filter	: High quality narrow band interference
Wavelength	: 405, 450, 492, 630 nm & two optional
Half bandwidth	: $< 10$ nm
Selection	: Automatic by stepper motor

### MEMORY

Programs	: 250 tests
Results	: 9600 patient results retrieval Assay wise, Patient wise

### PRINTER

: On board thermal 52 columns, maintenance free

### DISPLAY

Human machine interface : TOUCH PANEL & KEYPAD, 7" Graphics Color Display

### POWER

Voltage : 115 – 230 Volts  $\pm 10\%$ , 50 – 60 Hz

### COMPUTER INTERFACE

RS232 Serial Port : 9600 baud, 8 data, 1 stop, no parity bits, USB

### ANALYSIS MODES

	: Absorbance, Cut-off, Multi-standard, % Absorbance, Single standard, Uptake, Ratio
Curve Plotting	: Graphical representation on printer & display
Plate Carrier Movement	: Precisely through stepper motor
Dimensions in mm (lxbxh)	: 405 x 380 x 280 (Approx)
Weight	: 10 kgs. (Approx)

*Due to continuous development, specifications are subject to change without prior notice.*



**Global Diagnostics B**

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