Elisa Reader ER2100



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

Technical Specifications

OPTICAL SYSTEM

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

ANALYSIS MODES

Absorbance, Cut-off, Multi-standard, % Absorbance, Single standard, Uptake, Ratio

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

Dimensions in mm (lxbxh)

405 x 380 x 280 (Approx)

DISPLAY

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

COMPUTER INTERFACE

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

POWER

Voltage : 115 - 230 Volts ± 10%, 50 - 60 Hz

Curve Plotting

Graphical representation on printer & display

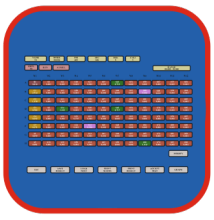
Plate Carrier Movement

Precisely through stepper motor

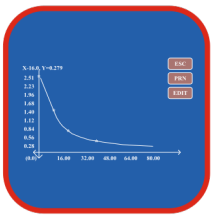
Weight

10 kgs. (Approx)

OBio...
Supporting Care to Cure
A Division of Orchard Medical



Display



Graph



Printer

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

Orchard Medical
154, Teghoria Main Road Kolkata -700157
Mobile no: - +91 84200 69980
Website- www.orchardmedical.co.in
Email: sales.orchardmedical@gmail.comt