

**Complete  
Solution for  
ELISA & EIA  
Tests**

# **readwell TOUCH**<sup>™</sup>

Automatic ELISA Plate Analyser



CE

**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

## 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

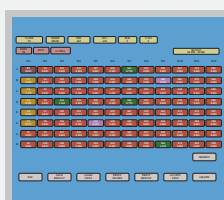
**Plate Carrier Movement** : Precisely through stepper motor

**Dimensions in mm (lxbxh)** : 405 x 380 x 280 (Approx)

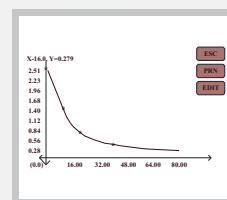
**Weight** : 10 kgs. (Approx)



Printer



Display



Graph

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



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