



LDx R1



ELISA Micro Plate Reader

- ★ Windows based operating system with 8" Colour touch screen LCD
- ★ 8 channels optical Fibre Photometer with automatic well centering & positioning
- ★ Fastest in segment take <3 Sec to read absorbance for 96 Well
- ★ Single, Dual & Multi Wavelength reading option
- ★ Long Life Halogen lamp with lamp Saver feature
- ★ Inbuilt shaking function with variable speed & time adjustment
- ★ Test Data can export to Excel & PDF for further analysis

LDx R1

TECHNICAL SPECIFICATIONS

Plate types: 96 well plates

Mode: U, V and Flat bottom wells

Operating Modes:

Absorbance
Quantitative
Qualitative
Semi-Quantitative
Kinetic Mode

Measurement Modes: Continuous / Step

Shaking Modes:

Adjustable Speed- Low, Medium and Fast
Adjustable Time duration

Wavelength Selection:

Monochromatic,
Bi-Chromatic,
Multi-Chromatic* (Maximum 4)

Calculation Modes:

Non-linear Standard
Cut-off
Column Subtraction
Linear Regression
Point to Point
Cubic Spline
Linear – Logit Log

Blank Options:

Single & Multiple Well
Row & Column Blank

Number of Standard:

Up to 10 standards /test

Test Programs:

300 "open" Test Programs

Test Result Memory: 1,00,000

Photometer

Measuring system: 8-Channel optical system

Lamp Source: Tungsten Halogen with Lamp saver function

Wave length Range: 400 to 800 nm

Standard Filters:

4 Filter Models : 405, 450, 492 & 630 nm

6 Filter Models : 405, 450, 492, 578, 630 & 700 nm

Measurement Range: 0.0 ~4.5 OD

Photometric accuracy: < 1% at 2.5 OD at 450 nm

Repeatability: < 0.1%

Photometric resolution: 0.0001A

Linearity: ± 0.5%

Measurement Time:

03 Seconds Single wavelength

08 Seconds Dual wavelength

Display: 8" Colour Touch Screen LCD Display

Keyboard: On Display & External

PC Communication: Serial RS232 / USB

Printer: External Printer

Interfacing Software: Windows Based Internal Software

Interfacing: 2 USB, 1 RS232, 1 VGA, 1 LAN

Reports:

Customisable Report format

Report Transfer to PDF & Excel format

Operating Temperature: 0 to 40°C

Storage Temperature: 10 to 50°C

Humidity: Max. 80% RH, non- condensing

Power Supply:

8V DC using external SMPS adapter

115/ 230VAC ±10%, 50/ 60Hz.

Dimension: 525 X 420 X 260mm

Weight: 9 Kg

Ordering Information

Product Code	Product Description
DIG-46145	LDx R1 : Semi-Automated ELISA Reader



*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

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