



# 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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