



## **Microplate Reader LD-LMPR-A12**

**Labodam Equipment Ltd.**

**[info@labodam.com](mailto:info@labodam.com) | [www.labodam.com](http://www.labodam.com)**

# Microplate Reader LD-LMPR-A12

## Overview

Microplate reader LD-LMPR-A12 is easy to use, equipped with advanced optical system which ensures accurate results. Long halogen lamp for light source, requires only 5 seconds to read 96 well plate. LCD display for observing the status of operation. Bichromatic and Monochromatic modes available with photometric range of 0.000-4.000 Abs.

## Features:

- 8 channel optical fiber system for reading 96 well plate
- Advance optical system results in accurate measurement of the samples
- Requires only 5 seconds for reading 96 well plate
- Comes with plate shaking feature
- Multi-calculation method including ABS, Cut-off, Linearity Log and Bichromatic measurements can be conducted
- 405nm, 450nm, 492nm and 630nm filters with 4 extra filters positions
- PC control and Analysis software
- Can perform Multi-calculations including: Parabola regression, Polynomial regression, 4PL Regression, Linearity and Log X, log Y, log XY
- Data management system for microplate, reagent, patient, laboratory and results

## Applications:

A microplate reader is used for the quantification of several biological and chemical assays. industrial environments, plate readers are also used in drug discovery, environmental research, and in the food or cosmetics industry.

## Specifications:

<b>Output</b>	External printer (optional)
<b>Display</b>	240 x 128 LCD
<b>Filters</b>	405nm, 450nm, 492nm, 630nm, 4 open positions
<b>Interface</b>	RS232, parallel interface for external printer
<b>Net weight</b>	7 kgs
<b>Light source</b>	Halogen lamp 8V/50W
<b>Measure Mode</b>	Monochromatic, Bichromatic
<b>Power supply</b>	AC220V/110V±10%, 50/60Hz
<b>Reading Speed</b>	5 seconds for 96 well plate
<b>Calculation Mode</b>	ABS; Cut-off; Linearity; Log X; Log Y

<b>Wavelength Range</b>	340~750nm
<b>Photometric Range</b>	0.000-4.000 Abs
<b>Applicable programs</b>	28 except of PC
<b>Photometric Accuracy</b>	±1% (0.000-2.000Abs)
<b>Dimension (L x W x H)</b>	440 x 305 x 154 mm