

**Microplate  
Reader  
LMPR-A12**



## Microplate Reader LMPR-A12

Microplate Reader LMPR-A12 reads 96 well microplate in the wavelength range of 400 nm to 850 nm and also it can perform 12 different test in one plate. Features 8 channel optical fiber scanning, LCD display, graphical operating interface, data-evaluation functions, auto calibration mode, minimum reading speed, large storage etc. to ensure efficient performance. It is widely used in research laboratories, universities and industries.

### Features

- » Silicon photodiode for higher sensitivity
- » 8 channel optical fiber scanning
- » Single and dual wavelength measurement
- » Performing 12 different test in single plate
- » Automatic adjustment of lamp
- » Automatic calibration mode
- » Automatic positioning of plate to avoid errors
- » Approx. 6 inch LCD display
- » Touch screen control panel
- » Internal memory to store 2,00,000 test data
- » Graphical operating interface to better understanding
- » Qualitative and quantitative data-evaluation functions
- » Built-in thermal printer
- » Can be connected to PC and USB slot also available
- » Microplate Reader software can be provided

### Applications

It has applications in drug discovery, life science research, bioassay testing, quality control etc.

## Specification

Model No	LMPR-A12
Light Source	controller tungsten halogen lamp
Wavelength Range	400 nm to 800 nm
Standard Filters	405, 450, 492, 630 nm and 4 optional
Reading range	0.000 to 4.000 Abs
Resolution	0.001 Abs
Accuracy	± 1.0 % at 1.0 OD, 450 nm
Reproducibility	≤ 0.2%
Stability	± 0.003 Abs
Reading Speed	Single wavelength- ≤ 3 s Double wavelength- ≤ 6 s
Display	Approx. 6 inch LCD display
Shaking	Linear shaking, 3 speeds
Printer	Built-in thermal printer, external printer is optional
Interface connections	2xUSB, 1XRS-232, PS2 mouse keyboard
Power supply	100 to 240 V, 50/60 Hz
Weight	10 kg