

labodam



MICROPLATE READER

## MICROPLATE READER LMPR-A10

It offers high throughput with 3 shaking modes, fast reading speed of 5 seconds and malfunction alarm system along with 96-well multimode and bichromatic multi-channel optical system. Different detection modes like comprehensive qualitative and quantitative data-evaluation functions with cut-offs, curve-fits and transformation formulas are available. It is a basic tool in drug detection and life science research, bioassay testing and quality control pharmaceutical processes.

### Features

- ▶ **Can store up to 1200 results for 96-well plate**
- ▶ **7" TFT LCD Display**
- ▶ **8-channel optical measuring system**
- ▶ **Single wavelength detection**
- ▶ **Linear shaking function at variable speed with three modes: slow, medium and high**
- ▶ **Two free positions for additional filters**
- ▶ **On-board software can store 55 user programmable protocols**
- ▶ **LCD light source with lifespan over 100,000 hours**

### Applications

Labodam Microplate Reader LMPR-A10 is an essential instrument in:

- Drug discovery and life science research
- Bioassay testing and quality control in pharmaceutical processes.



## TECHNICAL PARAMETERS:

<b>Model</b>	<b>LMPR-A10</b>
Plate Type	96-well plate
Display	7" TFT LCD Display
Wavelength Range	400-750nm
Filter Wavelength	405, 450, 492, 630nm
Wavelength Accuracy	<2nm
Wavelength Precision	±0.03A
Wavelength Resolution	0.001 (OD)Abs
Wavelength Linearity	R≥0.995
Wavelength Repeatability	<0.5% at 2.0 OD
Wavelength Stability	<0.005Abs/10min
Spectral Bandwidth	8nm±2nm
Reading Speed	5s single wavelength
Reading Range	0.000-4.000Abs
Measurement System	8 Channel Optical System
Measurement Range	0.001-2.500Abs
Measurement Speed	6-10sec for 96 well plate
Photometric Range	0.000-3.500Abs
Photometric Accuracy	<1% or ± 0.001Abs
Photometric Repeatability	<1%
Temp. Range	10°C-35°C
Humidity Range	15%-85%
Shaking	Linear (slow, medium and high mode)
Light Source	Monochromatic LED
Light Source Life	More than 100000h
Detection Method	Absorbance
Detector	Silicon Photodiode
Detection Modes	Comprehensive Qualitative and Quantitative Data-Evaluation with Cut-Offs, Curve-Fits and Transformation Formulas
Programs	55 user programs
Overall Dimension	400x310x169mm
Power	80W
Power Supply	240V, 60Hz
Weight (Net/Gross)	6/10kg