

# MICROPLATE READER



# MICROPLATE READER

Microplate Reader is a laboratory instrument that is used to measure chemical, biological or physical reactions, properties and analytes within the well of a microplate. Flexibility and reliability makes this product an unique choice. Used in Life Science, Drug Discovery, Research, Laboratory, Medical, Assay Development.

Also known as Laboratory Microplate Reader.

## MRW11-01 MICROPLATE READER

It is an eight-channel reader with the most sophisticated technology, high quality, high reliability and easy to operate.

8 channels measuring system.

Analysis Mode: Cut-off, single and multi-standard, O.D., bichromatic, dynamic reading.

Optical filter 405/450/492/630nm

100 programs storage.

Touch screen display.

Built-in thermal printer.



## SPECIFICATIONS

Model	MRW11-01
Measuring System	Optical system with 8 channels
Analysis Mode	Cut-off, single and multi-standard, O.D., bichromatic, dynamic reading
Linear Range	0.001-3.500 Abs
Photometric Accuracy	$\pm 1\%$ or $\pm 0.001$ Abs
Repeatability	$< 1.0\%$
Stability	$< 0.005$ Abs/hr
Linearity	$< \pm 1.0\%$
Sensitivity	$\leq \pm 0.001A$
Channels Discrepancy	$\leq \pm 0.002A$
Optical Filters	405/450/492/630 nm other filters available on request
Reading	Automatic focusing function makes the results more precise
Tray Shaking	Yes
Storage	100 programs
Display	Touch screen
Interface	RS-232 and USB port
Printer	Built-in thermal printer (external printer are available on request)
Power Supply	AC 220V 50 Hz or 110V 60 Hz
Dimension	46Lx33Wx18H cm
Weight	7.5 kg

# MRW12-01 MICROPLATE READER

Bichromatic, 8-channel Optical system.

Large storage capacity up to 200 test protocols and 100,000 results.

LED light source with lifespan over 10,000 hours.

3 shaking modes with variable time.

Windows operation system, self-check, malfunction alarm.

7 inch touch TFT LCD screen, test results simultaneous displayed in screen.



## SPECIFICATIONS

Model	MRW12-01
Repeatability	<1%
Stability	<0.005 Abs/10 min
Linearity	R≥0.995
Display	7 inch TFT LCD, 800x480 Pixels
Interface	RS~232, 4 USB ports, SD Card
Printer	Built-in printer, external printer
Power Supply	AC 100~240V, 50/60 Hz
Dimension	400Lx310Wx169H mm
Weight	6 kg
Readout Range	0.000~3.500 Abs
Plate Type	96-well plate
Light Source	Monochromatic LED
Reading Speed	5s with single wavelength for whole plate
Input	Mouse, membrane keyboard, touch screen
Working conditions	
Humidity	15%~85%
Temperature	10°C~35°C
Measure System	8~channel optical system
Band Width and Accuracy	8 nm ± 2 nm
Shaking	3 shaking modes with variable time
Wavelength	405, 450, 492, 630nm, two more optional



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