



AMR-100 MICROPLATE READER



DESCRIPTION

AMR-100 Microplate Reader is a reliable and robust instrument for a wide variety of research and clinical applications. It reads various kinds of 96-wells plates and equipped with shaking function. It can be used as a stand alone instrument or under PC control regular or APP software. The software is easy-to-use.

AMR-100 Microplate Reader is a 8-channel absorbance microplate reader that provides not only accurate, reproducible and fast measurements, but also offer innovative design with its easy-to-use control and data analysis software. It is ideal for a variety of ELISA applications in the biology laboratory.

SPECIFICATIONS

Display	7 inch Touch Screen (800x480 dots)
Light Source	Quartz-Halogen Lamp 6V/10W
Wavelength	340-750nm
Optical Filter	Equipped with Filters: 405, 450, 492, 630nm
Half-bandwidth of Filters	3~9nm
Read-out Range	0~4.000Abs
Linearity (405nm)	0~2.000Abs ≤ ±1%, 2~4.000Abs ≤ ±2%
Resolution	0.001Abs
Accuracy (405nm)	±1% (0-3Abs); ±2% (3-4Abs)
Precision (405nm)	CV ≤ 0.2% (0-3Abs); CV ≤ 1% (3-4Abs)
Test Speed	<6s for 96 wells plate
Incubator	No
Shaking	3 Modes Shaking: Slow, Medium and Fast
User Interface	Integrated Software or PC Control Software
Operation	Touch Screen, 3 pcs External Keys
Storage	200 programs and 100,000 Test Records
Ports	3 USB Ports, for PC, Printer and USB Disk
Power Supply	AC100-240V, 50-60Hz, 2A
Dimension (WxDxH)	440x295x225mm
Weight (Kg)	10kg

- Easy to use with 7 inch touch screen together with 3 external keys
- A broad wavelength range of 340-750nm
- Able to use individually or connect with PC and export results
- Absorbance range: 0.0~4.000Abs
- 8 positions optical filter wheel, equipped with 4 standard optical filters
- Rapid and accurate measurement of 96-well plates within 6 seconds
- 8-channel ELISA reader for fast measurements
- Additional reference channel for optimized light intensity
- Endpoint, kinetic and multi-label measurements for a variety of applications
- Shaking with variable time and speed
- PC software, APP software and built-in software for powerful and validated data analysis

ORDERING INFORMATION

No.	Code	Description	No.	Code	Description
01	AS-16050-00	AMR-100 Microplate Reader	10	AS-16051-09	Optical Filter 578nm
02	AS-16051-01	Optical Filter 340nm	11	AS-16051-10	Optical Filter 590nm
03	AS-16051-02	Optical Filter 380nm	12	AS-16051-11	Optical Filter 595nm
04	AS-16051-03	Optical Filter 405nm (Standard)	13	AS-16051-12	Optical Filter 630nm (Standard)
05	AS-16051-04	Optical Filter 415nm	14	AS-16051-13	Optical Filter 650nm
06	AS-16051-05	Optical Filter 450nm (Standard)	15	AS-16051-14	Optical Filter 690nm
07	AS-16051-06	Optical Filter 492nm (Standard)	16	AS-16051-25	Halogen Lamp
08	AS-16051-07	Optical Filter 540nm	17	AS-16051-26	Thermal Printer
09	AS-16051-08	Optical Filter 570nm	18	AS-16051-27	Thermal Paper

AMR- HIGHLIGHTS

- Easily use with 7 inch touch screen together with 3 external keys
- It keeps with high visual and logical user interface of software, it can be offered a comprehensive in-built calculations, such as blank subtraction, quantitative curve fit, quantitative classification and kinetic calculations, as well as the versatile reporting tool and make data reduction



AMR-100 Operation

