Microplate Reader and Washer

AMR-100 Microplate Reader

The 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 is equipped with shaking function. It can be used as a stand alone instrument or under PC control with regular or APP software. It is easy-to-use the software.
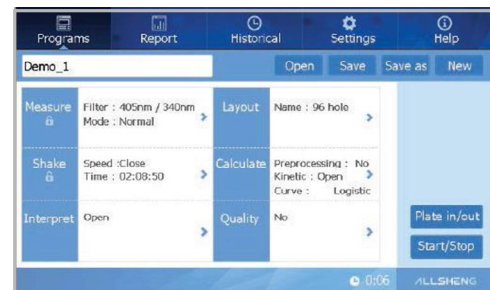

7 inch touch screen for easy operation

Feature

▶ Easy of 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

▶ Fast and accurate measurement of 96-well plates within 6 seconds

Software

AMR-100 keeps with high visual and logical user interface of software, it can be offered a comprehensive inbuilt calculations, such as blank subtraction, quantitative curve fit, quanlitative classification and kinetic calculations, as well as the versatile reporting tool and make data reduction.

Parameters

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≤1.0% (3-4 Abs)
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
Dimensions(W x D x H)	440 x 295 x 225 mm
Weight	10 kg

Code	Description
AS-16050-00	AMR-100 Microplate Reader, AC100~240V
AS-16051-01	Optical filter 340nm
AS-16051-02	Optical filter 405nm (Standard)
AS-16051-03	Optical filter 415nm
AS-16051-04	Optical filter 450nm (Standard)
AS-16051-05	Optical filter 492nm (Standard)
AS-16051-06	Optical filter 540nm
AS-16051-07	Optical filter 570nm
AS-16051-08	Optical filter 590nm
AS-16051-09	Optical filter 630nm (Standard)
AS-16051-10	Optical filter 650nm
AS-16051-11	Optical filter 690nm