

AMR-100 / AMR-100T

Microplate Reader (Filter Type)

ALLSHENG



AMR-100

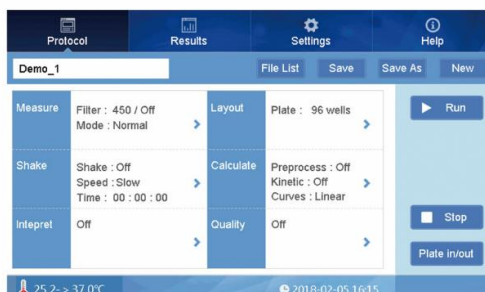
Non Incubation

AMR-100T

Available Incubation

Filter-Based Microplate Reader

Only 96- well Microplate



AMR-100T Operation Interface

Features

1. 8개의 필터 장착 공간이 있으며, 4개는 기본 장착, 4개는 추가 장착이 가능합니다.
2. 405nm, 450nm, 492nm, 630nm Optical Filter가 기본 장착되어 있습니다.
3. Optional Filter는 총 28개가 있어서 선택하여 추가 장착할 수 있습니다.
4. 흡광 범위 : 0.0 ~ 4.0 Abs
5. 7인치 터치스크린과 자체 소프트웨어를 이용하여 쉬운 작동이 가능합니다.
6. 96 Well Plate의 각 Well에 대한 Layout에 대한 설정 및 확인이 편리합니다.
7. 96 Well Plate 측정 속도가 6초로 빠른 측정이 가능합니다.
8. Layout 설정은 측정 이후에 수정 및 변경이 가능합니다.
9. Standard 설정이 가능해서 측정 결과를 소프트웨어 정량 분석이 가능합니다.
10. Raw Data와 Analysis Data를 선택해서 결과를 확인할 수 있습니다.
11. USB를 이용하여 측정결과를 컴퓨터로 이동할 수 있습니다.
12. AMR-100T 제품은 상온 +4℃ ~ 50℃까지 조절이 가능합니다.

Specification

Catalogue No.	AMR-100	AMR-100T
Display	7 inch resolution capacitive touch screen	
Light Source	6V, 10 W halogen lamp	
Wavelength Range	340 nm -750nm	
Optical Filter	8 position filter wheel, standard 4 filters : 405nm, 450nm, 492nm, 630nm	
Absorbance Range	0 - 4.0 Abs	
Resolution	0.001 Abs	
Linear Range	$R^2 \geq 0.995$ (0-3 Abs)	
Wavelength Accuracy	± 2 nm	
Absorbance Repeatability	CV $\leq$ 0.3% (0-3 Abs), CV $\leq$ 1% (3-4 Abs)	
Absorbance Stability	≤ 0.005 Abs (0-3 Abs)	≤ 0.005 Abs (0-2 Abs)
	≤ 2.0 Abs (3-4 Abs)	≤ 0.3 Abs (2-3 Abs)
		≤ 2.0 Abs (3-4 Abs)
Absorbance Accuracy	± 0.005 Abs (0-2 Abs)	± 0.005 Abs (0-2 Abs)
	± 0.01 Abs (2-3 Abs)	± 1 % Abs (2-3 Abs)
	± 1.5 % Abs (3-4 Abs)	± 1.5 % Abs (3-4 Abs)
Sensitivity / Detector	$\geq 0.01A$ / Photodiode	
Measuring Speed	6s for 96 well microplate	
Incubation Temperature Range	----	RT + 4 °C - 50 °C
Temperature Accuracy	----	± 0.5 °C at 37 °C
Temperature Uniformity	----	± 0.5 °C at 37 °C
User Interface	Built-in software, touch screen input, external mouse	
Internal Storage	1000 measurement programs	
Port	3 x USB ports, connecting computer, printer and USB drive	
Power Supply	AC100-240V, 50/60Hz, 2A	
Dimension (W x D x H) mm	295 x 440 x 225 mm	
Net Weight	10 Kg	11 Kg

Optional Filter

Type	Optical filter
AS-16051-01	Optical filter 340nm
AS-16051-02	Optical filter 380nm
AS-16051-03	Optical filter 405nm
AS-16051-04	Optical filter 415nm
AS-16051-05	Optical filter 450nm
AS-16051-06	Optical filter 492nm
AS-16051-07	Optical filter 540nm
AS-16051-08	Optical filter 570nm
AS-16051-09	Optical filter 578nm
AS-16051-10	Optical filter 590nm
AS-16051-11	Optical filter 595nm
AS-16051-12	Optical filter 630nm
AS-16051-13	Optical filter 650nm
AS-16051-14	Optical filter 690nm
AS-16051-15	Optical filter 470nm
AS-16051-16	Optical filter 490nm
AS-16051-17	Optical filter 510nm
AS-16051-18	Optical filter 520nm
AS-16051-19	Optical filter 532nm
AS-16051-20	Optical filter 546nm
AS-16051-21	Optical filter 560nm
AS-16051-22	Optical filter 562nm
AS-16051-23	Optical filter 600nm
AS-16051-24	Optical filter 620nm
AS-16051-25	Optical filter 646nm
AS-16051-26	Optical filter 663nm
AS-16051-27	Optical filter 700nm
AS-16051-28	Optical filter 750nm