ALPINUM PRAZISION AUSTRIA

Microplate Reader & Washer

LIFE SCIENCE

Alpinum Prazision Austria GmbH & Co. KG

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– Life Science –

CarnisAMR-100
Microplate Reader

Description

CarnisAMR-100 Micro plate 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 with regular or APP software. The software is easy-to-use..

CarnisAMR-100 Microplate Reader is a 9-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 analysissoftware. It is ideal for a variety of ELISA applications in the biology laboratory.

1. Easy of use with 7 inch touch screen together with 3 external keys
2. A broad wavelength range of 340-750nm
3. Able to use individually or connect with PC and export results
4. Absorbance range: 0.0~4.000Abs
5. 8 positions optical filter wheel, equipped with 4 standard optical filters
6. Rapid and accurate measurement of 96-well plates within 6 seconds
7. 9-channel ELISA reader for fast measurements
8. Additional reference channel for optimized light intensity
9. Endpoint, kinetic and multi-label measurements for a variety of applications
10. Shaking with variable time and speed
1 . PC software, APP software and bulit-in software for powerful and validated data analysis

Specification

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	AC220−240V, 60Hz, 2A
Dimensions (W x D x H)	440 x 295 x 225 mm
Weight (kg)	10Kg

01
CarnisAMR-100 Highlights

1. Easily use with 7 inch touch screen together with 3 external keys

2. It 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

CarnisAMR-100 Operation

Ordering information

No.	Code	Description	No.	Code	Description
01	AS-16050-00	CarnisAMR-100 Microplate Reader	18	AS-16051-17	Optical filter 510nm
02	AS-16051-01	Optical filter 340nm	19	AS-16051-18	Optical filter 520m
03	AS-16051-02	Optical filter 380nm	20	AS-16051-19	Optical filter 532nm
04	AS-16051-03	Optical filter 405m (Standard)	21	AS-16051-20	Optical filter 546nm
05	AS-16051-04	Optical filter 415nm	22	AS-16051-21	Optical filter 560nm
06	AS-16051-05	Optical filter 450nm (Standard)	23	AS-16051-22	Optical filter 562nm
07	AS-16051-06	Optical filter 492nm (Standard)	24	AS-16051-23	Optical filter 600nm
08	AS-16051-07	Optical filter 540nm	25	AS-16051-24	Optical filter 620nm
09	AS-16051-08	Optical filter 570nm	26	AS-16051-25	Optical filter 646nm
10	AS-16051-09	Optical filter 578nm	27	AS-16051-26	Optical filter 663nm
11	AS-16051-10	Optical filter 590m	28	AS-16051-27	Optical filter 700nm
12	AS-16051-11	Optical filter 595nm	29	AS-16051-28	Optical filter 750nm
13	AS-16051-12	Optical filter 630nm (Standard)	30	AS-16051-50	Replacement Lamp
14	AS-16051-13	Optical filter 650nm	31	AS-16051-51	Printer
15	AS-16051-14	Optical filter 690nm	32	AS-16051-52	Printer Paper
16	AS-16051-15	Optical filter 470nm	33	AS-16051-53	Calibration Plate
17	AS-16051-16	Optical filter 490nm			

CarnisAPW-200 Microplate Washer

Features

1. Low residual liquid, each well ≤1µL
2. Compatible for microplates: flat, U, V, C bottom
3. 4.3 inch color LCD display, easy to operate
4. Washing head position can accurate to 0.1mm
5. Wash parameters can be set to make sure the best washing effect
6. Support external U-disk, for program exporting
7. 100 programs can be saved
8. Uniform volume mark make it easy to measure the liquid
9. Automatic alarm for full liquid
10. Strainer in the pipeline and automatic washing functions avoid the liquid blocking the pipeline

Specification

Residual liquid	≤1µL
Washing heads	1x8 or 1x12 heads
Plate types	Flat、U、V、C bottom
Washing method	Single-point,two points and multi points
Washing volume	50-2000µL, increase by 50µL
Washing times	99 times
Washing channels	3
Bottles	3pcs 2.5L washing bottle, 1pcs 2.5L waste bottle
Dispense accuracy	≤2%@300µL
Liquid injection accuracy	CV≤1.5% @ 300µL
Soaking and shaking time	19'59"
Data connection	USB
Weight	12kg
Power supply	AC220-240V, 60Hz

01
Easy Operation

The CarnisAPW-200 Microplate Washer has 4.3 inch LCD displaywith friendly interface, U-disk can be used to transfer the datas between the PC and the washer or between twowashers, it can also be used to upgrade the software. Thewashing head can be replaced easily for different kinds ofmicroplates.

02
Safety and reliable feature

The CarnisAPW-200 Microplate Washer is equipped with liquidposition sensor to avoid the washing liquid used up or wasteliquid from overflow, minimize the risk and avoid the liquidbeing sucked into the pump to break the equipment. Besidesit has shaking function.

Ordering information

Code	Description
AS-16020-00	CarnisAPW-200 Microplate Washer, 220V-240V
AS-16011-01	8 needles washing head
AS-16011-02	12 needles washing head
AS-16011-03	Washing liquid bottle
AS-16011-04	Waste liquid bottle