



A & E LAB (UK) CO.,LTD

Laboratory Instruments Solution Provider

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2025 Version

AMR-100 / AMR-100T

Microplate Reader

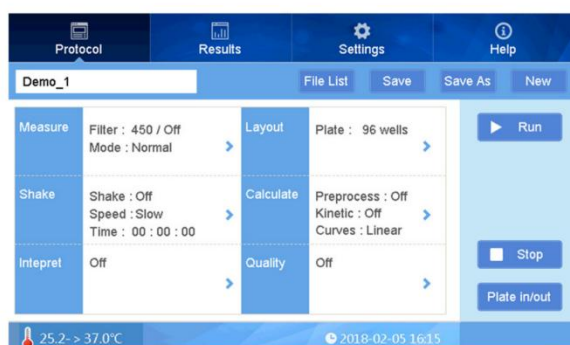
AMR-100 / AMR-100T is a high-quality light absorption microplate reader based on a filter, with a wavelength range of 340 nm~750 nm, suitable for scientific research and clinical applications. 7-inch touch screen color LCD display, no keyboard required, easy to use.

AMR-100T has additional incubation function, with temperature range is from RT. +4 °C to 50 °C.

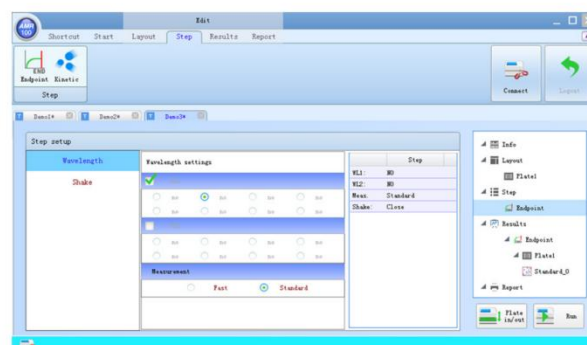


Features

- High-resolution 7-inch touch screen, simple and intuitive operation, no keyboard required.
- Visual layout, convenient and practical.
- The microplate reader is equipped with the standard control and data analysis software ReaderIt-I, which is convenient and quick for data detection.
- Powerful data analysis function and excellent result report, not only can run the analysis independently, but also run the analysis on the computer.
- Multiple software configuration, which can be used as a single machine or connected with a computer, and the results are exported in real time.
- Absorbance range: 0.0~4.000 Abs, meeting different measurement requirements.
- 8-position filter wheel, standard 4 filters, optional other filters.
- The built-in software can provide instrument control and data analysis, and can be directly connected to a U disk.
- The detection speed is fast, and the whole 96-well microplate detection can be completed within 6 seconds.
- Equipped with shaking plate function, adjustable shaking plate time and speed.



AMR-100T Operation Interface



ReaderIt-I Software Interface

Specification

Model	AMR-100	AMR-100T
Linear range	$R^2 \geq 0.995$ absorbance range 0~3.0 Abs	$R^2 \geq 0.995$ [0, 3 Abs]
Absorbance stability	≤ 0.005 Abs [0,3Abs] ≤ 2.0 % [3,4Abs]	$\leq \pm 0.005$ Abs [0,3Abs] ≤ 0.3 % [3,4Abs] ≤ 2.0 % [3,4Abs]
Absorbance accuracy	$\leq \pm 0.005$ Abs [0,2Abs] $\leq \pm 0.01$ Abs [2,3Abs] $\leq \pm 1.5$ % [3,4Abs]	$\leq \pm 0.005$ Abs [0,2Abs] $\leq \pm 1$ % [2,3Abs] $\leq \pm 1.5$ % [3,4Abs]
Incubation temperature range	/	RT+4 °C~50 °C
Temperature accuracy	/	± 0.5 °C @37 °C
Temperature uniformity	/	± 0.5 °C @37 °C
Net weight	10 kg	11 kg



Model	AMR-100 / AMR-100T
Display	7-inch high resolution capacitive touch screen
Light source	6 V, 10 W halogen lamp
Wavelength range	340 nm~750 nm
Optical filter	8-position filter wheel, standard 4 filters: 405 nm, 450 nm, 492 nm, 630 nm
Absorbance range	0-4.0 Abs
Resolution	0.001 Abs
Wavelength accuracy	$\leq \pm 2$ nm
Absorbance repeatability	CV ≤ 0.3 % [0, 3Abs); CV ≤ 1 % [3, 4Abs)
Sensitivity / detector	≥ 0.01 A / photodiode
User Interface	Built-in software, touch screen input, external mouse
Internal storage	Can store 1000 measurement programs and measurement results
Port	3×USB ports, connecting computer, printer and USB drive
Power supply	AC 100-240 V, 50-60 Hz, 2 A
Dimension (W×D×H)	295×440×225 mm

Ordering Information

Code	Product description
AS-16050-00	AMR-100 microplate reader
AS-16050-00	AMR-100T microplate reader
AS-16051-01	Optical filter 340 nm
AS-16051-02	Optical filter 380 nm
AS-16051-03	Optical filter 405 nm
AS-16051-04	Optical filter 415 nm
AS-16051-05	Optical filter 450 nm
AS-16051-06	Optical filter 492 nm
AS-16051-06	Optical filter 540 nm
AS-16051-08	Optical filter 570 nm
AS-16051-09	Optical filter 578 nm
AS-16051-10	Optical filter 590 nm
AS-16051-11	Optical filter 595 nm
AS-16051-12	Optical filter 630 nm
AS-16051-13	Optical filter 650 nm
AS-16051-14	Optical filter 690 nm
AS-16051-15	Optical filter 470 nm
AS-16051-16	Optical filter 490 nm

Code	Product description
AS-16051-17	Optical filter 510 nm
AS-16051-18	Optical filter 520 nm
AS-16051-19	Optical filter 532 nm
AS-16051-20	Optical filter 546 nm
AS-16051-21	Optical filter 560 nm
AS-16051-22	Optical filter 562 nm
AS-16051-23	Optical filter 600 nm
AS-16051-24	Optical filter 620 nm
AS-16051-25	Optical filter 646 nm
AS-16051-26	Optical filter 663 nm
AS-16051-27	Optical filter 700 nm
AS-16051-28	Optical filter 750 nm
AS-16051-50	Halogen lamp
AS-16051-51	Printer
AS-16051-52	Printer paper
AS-16051-53	ABS optical performance validation board
AS-16051-54	ReaderIt-I analysis software

Microplate Reader Series - Selection Guide

Multi-Mode Microplate Reader

			
Model	Feyond-A300	Feyond-A400	Feyond-A500
Absorbance (monochromater)	✓	✓	✓
Fluorescence (filter)	✓	✓	✓
Luminescence	✓	✓	✓
Time-resolved fluorescence	-	✓	✓
Fluorescence polarization	-	-	✓
u-Nano plate detection	✓	✓	✓
Xenon lamp	✓	✓	✓
Injector (optional)	✓	✓	✓
Analysis software (optional)	PC (Reader It-II)	PC (Reader It-II)	PC (Reader It-II)
Operation method	10-inch touch screen	10-inch touch screen	10-inch touch screen
Dimension (mm)	420×550×386	420×550×386	420×550×386
Weight (kg)	33	33	33

Microplate Reader

					
Model	FlexA-200/200 HT	AMR-100/100T	AMR-Mini/MiniT	Feyond-F100	Feyond-L100
Type	Absorbance	Absorbance	Absorbance	Fluorescence	Luminescence
Absorbance (monochromater)	✓	-	-	-	-
Absorbance (filter)	-	✓	✓	-	-
Fluorescence (filter)	-	-	-	✓	-
Luminescence	-	-	-	-	✓
u-Nano plate detection	✓	-	-	-	-
Cuvette	✓	-	-	-	-
Light source	Xenon lamp	Halogen lamp	LED	Xenon lamp	-
Injector (optional)	-	-	-	✓	✓
Analysis software (optional)	PC (Reader It-II)	PC (Reader It-I)	-	PC (Reader It-II)	PC (Reader It-II)
Operation method	10-inch touch screen	7-inch touch screen	10-inch tablet PC (optional)	10-inch touch screen	10-inch touch screen
Dimension (mm)	300×500×260	295×440×225	135×225×89 (Mini) 135×245×91 (MiniT)	420×487×318	420×487×318
Weight (kg)	15.5	10 / 11	2 / 2.5	30	30

FlexA-200 / FlexA-200HT

Microplate Reader

FlexA-200 microplate reader is a high-quality microplate reader based on a monochromator with a wavelength range of 200~1000 nm. It has the advantage of flexible detection and does not need additional filters. It can be used for spectral scanning, endpoint method and kinetic detection. Suitable for 96-well plates and 384-well plates with and without lids. FlexA-200 can be shaken and incubated in microplates, and the incubation temperature is up to 45 °C.

It can be operated independently through the built-in software of the instrument, and also can be operated by the ReaderIt-II software. The software has the characteristics of intuitive interface, clear and flexible operation, which can work in both Chinese and English environments.

FlexA-200 can be used for a variety of applications, including nucleic acid and protein analysis, ELISA, enzyme activity detection, cytotoxicity and cell proliferation tests, apoptosis detection, microbial identification, bacterial concentration, etc.



Features

- **10-inch touch screen, can be used independently for the whole detection process, which is convenient to operate and easy to use**

FlexA-200 built-in software is designed for independent use of the instrument. With a 10-inch high-resolution touch screen and a graphical user interface, the editing of programs and template presets are very simple. In addition, support for USB data export is fast, convenient and easy to operate.

- **Complete functional ReaderIt-II enzyme data analysis software, which can meet most data processing needs**

ReaderIt-II is designed for FlexA-200. With intuitive graphical operation interface design, you can master various operations through simple training. A variety of built-in data processing methods, including quantitative curve fitting, qualitative analysis, kinetics calculation, user-defined equation, 4PL, and customized services are supported, which can increase the calculation method according to customer needs. The data can be exported to Excel with one click, or detailed results reports can be generated through the built-in tools.

- **200-1000 nm full wavelength design, 1 nm increments, basically meet all light absorption detection applications**

Wavelength selection is done by using an advanced monochromator system. Any wavelength between 200 to 1000 nm can be selected. Using the spectral scanning feature, the whole spectrum of a sample be scanned in 1 nm increments and measurement bandwidth at 2.5 nm to allow identification of the optimal measurement wavelength for a new assay. The built-in reference channel ensures that the accuracy of light intensity without preheating each time, and ensures consistent results under any measurement conditions. The self-test function of the instrument checks the key components such as light sources, detectors, and load positions to ensure the stability and reliability of the instrument operation.

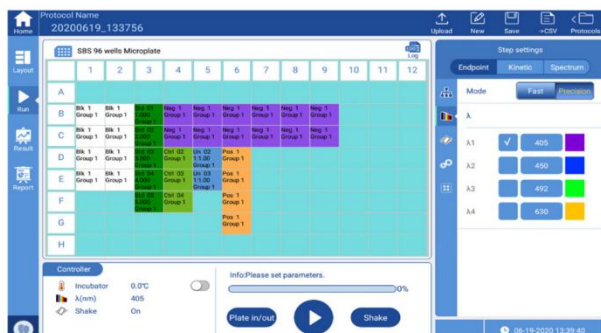
- **Fast detection speed, only need time 8 s for 96-well whole microplate**

The detection speed of the microplate reader refers to the time it takes to complete the colorimetric determination. Under the FlexA-200 fast reading mode, only need time 8 s for 96-well whole microplate. The fast detection speed is conducive to improving the precision of detection, and can effectively avoid the difference in absorbance between each micropore due to different determination time during the determination process.

01 Choose Detection Wavelength Freely with Raster

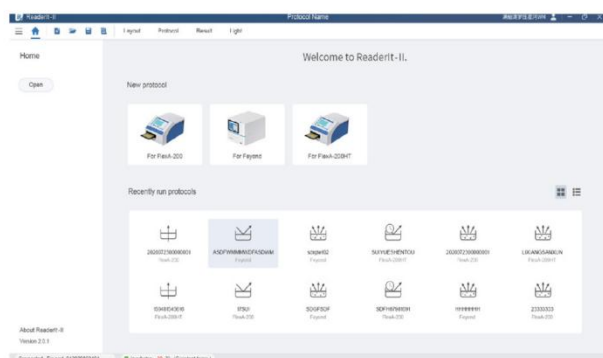
FlexA-200 adopts the xenon flash lamp as light source, which chooses the wavelength range from 200-1000 nm with 1 nm step by grating monochromator for the full spectrum scanning.

02 FlexA-200 Instrument Interface Can Be Used Independently for Rapid Detection



FlexA-200 built-in software is designed for independent use of the instrument. With a 10-inch high-resolution touch screen and a graphical user interface, the editing of programs and template presets are very simple. In addition, support for USB data export is fast, convenient and easy to operate.

03 Through PC Software, Advanced Detection Mode and Powerful Data Analysis Can Be Set (Optional)



- Intuitive graphical operation interface design.
- A variety of data analysis functions, including quantitative curve fitting, qualitative analysis, kinetics calculation and 4PL. The data can be exported to Excel with one click, or detailed results reports can be generated through the built-in tools.
- The built-in software and ReaderIt-II of the FlexA-200 instrument are both Chinese / English interfaces. Graphical user interface is convenient for customers to use.

04 FTP (File Transfer Protocol)

Upload instrument data directly to a computer with an FTP server, and users can view the data results at any time in the authorized folder.

05 Incubation Block Performance

Temperature control range: RT. +4 °C to 45 °C

Performance at 37 °C: average temperature difference between wells: ± 0.5 °C

temperature uniformity of well plate: <1.0 °C (96-well plate without cover)

06 High Quality Data and Stable Performance

The optical system makes sure the high-quality data and stable performance of FlexA-200.

- Double beam optical system has the reference optical channel system, which makes the data stabler.
- After the instrument is started, the light source, grating, detector, microplate position, temperature measurement deviation, XY position, integrator, analog digital converter, etc. are automatically calibrated to ensure stable and reliable operation of the instrument.
- Long life xenon lamp which can be used for 10^9 times.

07 Cuvette Mode (FlexA-200HT Model)



- Independent cuvette slot
- Detection wavelength 200~1000 nm
- With incubation function, RT. +4 °C to 45 °C
- Independent cuvette software can be directly used for endpoint method, kinetics, spectral scanning and standard curve establishment

08 Liner Shaking Function of Microplate

- Background shaking mode can be executed during kinetics
- Three speed options: low speed, medium speed, high speed

5 Hz 11 Hz 20 Hz

09 u-Nano Ultra-Micro Plate (Optional)

- Quickly complete high-throughput quantification of micro nucleic acid and proteins without samples dilution.
- Independent software can quickly read the sample concentration and purity report.
- 1~16 samples can be detected at the same time, only 2~4 μ L sample volume is needed.
- During continuous testing, you only need to wipe off the last batch of samples with dust-free paper.



Specification

Display	10-inch high-resolution capacitive touch screen
Light source	Xenon flash lamp / number of flashes>10 ⁹
Wavelength range	200 - 1000 nm
Wavelength accuracy	2 nm
Wavelength repeatability	0.2 nm
Optical system	Monochromator, 1 nm step
Reading range	0 - 4.0 OD
Bandwidth	<2.5 nm
Detection System	2 silicon photodetectors, one for measurement, one for reference
Linear @450 nm	R ² ≥0.999, [0.0-3.0 Abs]
Absorbance accuracy @450 nm	±(1.0 % + 0.003 Abs), (0~2.0 Abs); ±2.0 %, (2.0~2.5 Abs)
Absorbance repeatability @450 nm	CV <0.5 % or SD <0.003 accurate mode; CV <1.0 % fast mode
Measuring speed	96-well plate: fast mode <8 s, accurate mode <28 s (end point method)
Shaking	Linear, 3 speeds adjustable
Temperature range & uniformity	RT. +4 °C to 45 °C; ±0.5 °C @37 °C
User interface	Built-in software, independent use
Analysis software	ReaderIt-II software
Operation display	Touch screen input, Android system, 10-inch LCD display full board information, can be connected with keyboard and mouse
Internal storage	16 G storage, can store more than 20,000 data files
Port	1 type B USB interface, 2 type A USB interfaces, 1 network port
Robotic arm compatible	Temporarily incompatible
Power supply	DC 24 V 6.67 A
Dimension (W×D×H) mm	300×500×260 mm
Net weight	15.5 kg

Ordering Information

Code	Product description
AS-19010-00	FlexA-200 microplate reader
AS-19020-00	FlexA-200HT microplate reader
AS-19011-01	ReaderIt-II PC analysis software
AS-19011-02	u-Nano ultra-micro plate
AS-19011-03	ABS optical performance validation board

Feyond-A300 / A400 / A500

Microplate Reader

Feyond series multi-mode microplate reader is specially designed for medical, biological and pharmaceutical research and development institutions to meet the needs of various drug development and life science research. The high-quality detection performance ensures high-quality analysis based on molecular biology, biochemistry and cytology.

In addition to the most basic absorbance, fluorescence and luminescence detection functions, high-performance fluorescence polarization and time-resolved fluorescence detection can also be selected. The instrument is compatible with the client-side modular upgrade function, and users can upgrade and equip with microplates and automatic injectors according to their needs.



Features

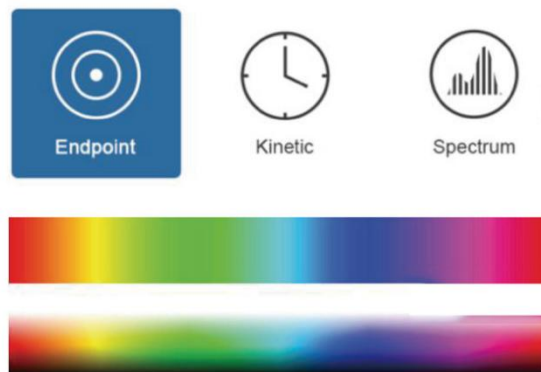
- **UV/Vis Absorbance (ABS)**---Wavelength selection is done by using an advanced monochromator system. Any wavelength between 200 to 1000 nm can be selected. Almost satisfy all absorbance detection applications.
- **Fluorescence (FL)**---Fluorescence detection adopts the filter-based optics detection, which is composed of xenon lamp, filter and PMT and can best fit the characteristics of fluorescent dyes.
- **Luminescence (LUM)**---Feyond series luminescence microplate readers show excellent sensitivity and wide dynamic range in both glow and flash based assays. The optimized light path minimizes signal crosstalk between wells and ensures the accuracy of experimental results.
- **Time-Resolved Fluorescence (TRF)**---Time-resolved fluorescence is based on lanthanide elements as dyes. After the excitation light is turned off, the emitted light can still be continuously expressed and released, thereby eliminating the interference of excitation light and scattered light. Time-resolved fluorescence has high sensitivity, strong specificity, good stability, and short operation flow. It is suitable for ultra-micro analysis in biology and medicine, hormone detection, viral hepatitis marker detection, target cell marker detection, and drug screening.
- **Fluorescence Polarization (FP)**---The optimized optical path design of Feyond-A500 combined with the performance of the fast switching polarizer can effectively reduce the detection deviation. This function is often used to detect the interaction between small molecules and macromolecules, such as the determination of drugs and hormones, tyrosine kinase detection, receptor / ligand research, protein / polypeptide interactions, DNA / protein interactions, etc.

01 Rotating Touch Screen

The instrument is equipped with a 10-inch touch screen, whose angle can be converted through the LCD control button to facilitate the researcher's setting of the instrument.

02 High-Quality Stable Performance

It has reference optical path to ensure more stable detection data. After the instrument is started, the light source, monochromator, detector, position, etc. will be calibrated automatically to ensure the stable and reliable operation of the instrument.



03 Modular Filter



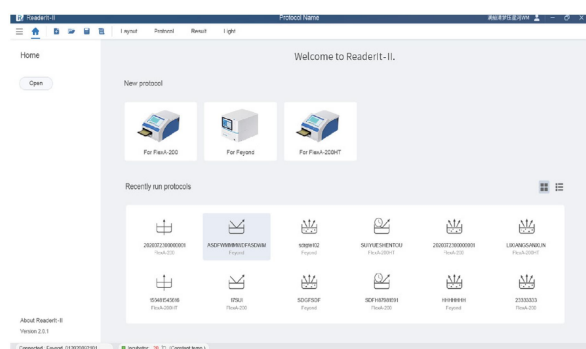
The easy-to-disassemble modular filter will bring an economical and highly sensitive solution to your fluorescence detections. Only by scanning the QR codes on the block, the instrument can read the filter information to ensure accurate experimental parameters for convenient and quick operation.

04 MSS-2 Automatic Injector (Optional)



The automatic injector can be purchased at the same time with the instrument and can also be upgraded later. Liquid injection protection: The software has a liquid injection protection function to effectively prevent the risk of sample overflow.

05 ReaderIt-II PC Analysis Software (Optional)



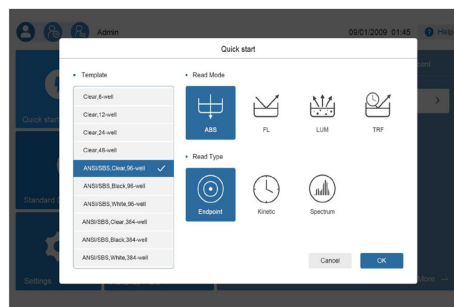
- Can provide a more comprehensive and complex data analysis algorithm than the instrument APP software
- Data export is convenient and fast. Detailed result reports can be created through built-in tools

06 u-Nano Ultra-Micro Plate (Optional)



- Quickly complete high-throughput quantification of nucleic acid and proteins without samples dilution
- The independent software can quickly give the sample concentration and purity report
- 1~16 samples can be detected at the same time, only 2~4 μ L sample volume is needed

07 Easy-to-Use and Flexible Software



- **User Authority Classification**
Intuitive selection of function modes and programs and results are stored independently
- **Intuitive Interface Display**
Programs and results are stored independently, making it easy to be found the required applications
- **Powerful Data Analysis and Process**
Provide multiple data processing methods including blank subtraction, standard curve creation, qualitative analysis, quality control, kinetics and spectral analysis
- **FTP (File Transfer Protocol)**
Upload the data directly to a computer with a FTP server, and users can view the data results at any time in the authorized folder



Specification

	Model	Feyond-A300 / A400 / A500
Absorbance	Light source	Xenon lamp
	Detector	PD
	Wavelength accuracy	2 nm
	Wavelength repeatability (SD)	0.2 nm
	Half width (FWHM)	<2.5 nm
	Wavelength range	200-1000 nm, 1 nm step
	Measure range	0 - 4 OD
	Resolution	0.0001 OD
	Accuracy @450 nm	96-precision mode: $\pm (1.0 \% + 0.003 \text{ Abs}) @ (0.0-2.0 \text{ Abs})$ $\pm 2.0 \% @ (2.0-3.0 \text{ Abs})$
	Repeatability @450 nm	CV <1.0 % or SD <0.003 fast (0.0-3.0 Abs) CV <0.5 % or SD <0.003 accurate (0.0-3.0 Abs)
	Stray light	0.1 % @220 nm
	Linear @450 nm	$R^2 \geq 0.999 @ [0.0 - 3.0 \text{ Abs}]$
	Reading time	96-well plate: fast <15 s
Luminescence	Detector	PMT
	Detection limit	15 amol / well
	Linear dynamic range	6 logs
	Crosstalk	$\leq 0.05 \%$
	Wavelength range	200-850 nm
	Filter	470 nm; 560 nm
Fluorescence	Reading mode	Top reading
	Excitation light source	Xenon lamp
	Detector	PMT
	Wavelength range	EX: 200 - 1000 nm; EM: 270 - 850 nm
	Filter EX / EM	3 groups: EX485 / EM530, EX523 / EM564, EX624 / EM692 (other wavelengths can be replaced)
	Detection limit	1 pM (optimization condition)
	Linear dynamic range	6 logs
TRF (A400 / A500)	Filter EX / EM	EX365 / EM612
	Detection limit	0.02 pM (optimization condition)
FP (A500)	Filter EX / EM	EX485 / EM530
	Detection limit	5 mP

**Basic Parameter**

Model	Feyond-A300 / A400 / A500
Plate	6-384 well
Accessories	Microplate, injector
Shaking mode	Linear, annular, double annular
Incubation temperature	RT +4 °C~45 °C
Temperature uniformity	±0.5 °C @ 37 °C
Software interface	Chinese / English
Screen size	10-inch
Operation method	Capacitive screen touch, mouse
Data capacity	10 GB
Compatibility	Support PC software, Win7/Win10 64 bit
Network transmission	The test data report can be uploaded to the PC server through FTP
Instrument port	2 USB Type A ports, 1 USB Type B port, 1 Ethernet port, Rs232 bus interface (connected to the injector)
Power supply	AC 100-240 V, 50-60 Hz
Dimension (W×D×H)	420×550×386 mm
Weight	33 kg

Accessory Parameter

Microplate	Sample number	1-16
	Sample detection volume	2-4 µL
	Quantity	1 / 2
Automatic Injector	Dispensing volume	5-1000 µL, 1 µL increment
	Liquid injection speed	125-500 µL/s
	Accuracy	±1 µL @5-50 µL; ±2% @51-1000 µL
	Waste liquid collection	50 mL
Software	Analysis software	ReaderIt-II software

Ordering Information

Code	Product description
AS-19050-00	Feyond-A300 microplate reader (multi-mode)
AS-19060-00	Feyond-A400 microplate reader (multi-mode)
AS-19070-00	Feyond-A500 microplate reader (multi-mode)
AS-19011-01	ReaderIt-II PC analysis software
AS-19011-02	u-Nano ultra-micro plate
AS-19011-03	ABS optical performance validation board
AS-19011-04	MSS-2 automatic injector
AS-19051-01	Lum-check standardization light microplate
AS-19051-02	470-525 fluorescence filter (standard)
AS-19051-03	523-564 fluorescence filter (standard)
AS-19051-04	624-692 fluorescence filter (standard)
AS-19051-41	LUM-470 filter (standard)
AS-19051-05	365-612 time-resolved fluorescence filter (standard)
AS-19051-06	485-530 fluorescence polaroid filter (standard)

Microplate Washer — APW-200

Microplate washer is an automatic plate washer for washing 96-well microplate. compact construction, efficient washing and durable, it is suitable for the washing of flat bottom, U-shaped bottom, V-shaped bottom, C-shaped bottom of various specifications. It has various special functions selected and matched by other board washer. The programmed design is especially suitable for laboratory with heavy workload of multi-application of microplate. It can also be used to soak and shock.

Features

- ◆ Low residual liquid, each well $\leq 1 \mu\text{L}$
- ◆ 4.3 inch color LCD display, easy to operate
- ◆ Microplate can be soaked and shocked simultaneously
- ◆ Strainer in the pipeline and automatic washing functions avoid the liquid blocking the pipeline
- ◆ Pipeline flushing and distilled water washing functions can be set, flushing time and number of spacers can be adjusted
- ◆ With pause function, you can continue to complete the rest of washing procedures
- ◆ Washing bottle has uniform volume calibration line, alarm function to avoid the washing liquid used up or waste liquid from overflow
- ◆ 100 programs can be save



Technical parameter

Model	APW-200
Residual liquid	$\leq 1 \mu\text{L}$
Washing heads	1×8 or 1×12 heads
Plate types	Flat, U, V, C bottom
Washing method	Single-point, two-point and multi-point
Washing volume	50-2000 μL , increase by 50 μL
Washing times	1~99 times
Washing channels	3
Bottles	3 pcs 2.5 L washing bottle, 1 pcs 2.5 L washing bottle
Dispense accuracy	$\leq 2 \% @ 300 \mu\text{L}$
Liquid injection accuracy	$\text{CV} \leq 1.5 \% @ 300 \mu\text{L}$
Soaking and shaking time	99'00"
Date connection	USB
Weight	12 kg
Power supply	AC100-240 V; 50/60 Hz

Packing list:

- ◆ APW200 microplate washer, AC 100-240V, 50/60 Hz,
- ◆ 8 needles washing head, 12 needles washing head, Washing liquid bottle, Waste liquid bottle

HBS-4009 Microplate Washer

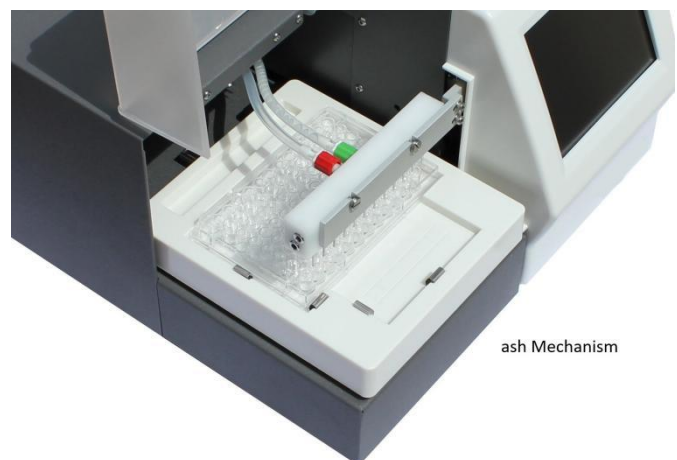
Main Features:

- ◆ Industrial grade color LCD display, touch screen operation
- ◆ Three kinds of linear vibration plate function.
- ◆ Ultra long soak time design, can serve multiple purposes
- ◆ Have a variety of Washing mode, Support user programming
- ◆ Extra Wide voltage input design, Global voltage application
- ◆ Up to 4 kinds of liquid channels can be selected. No need to replace reagent bottle



Main Parameters:

- ◆ Wash heads: 8/12 /Wash heads, can be dismantled and Washed
- ◆ Wash channels: Standard 1 channel、 Other channel Select, Up to 4 channels Residue volume: 1ul(the average per hole)
- ◆ Wash Times: 0-99times
- ◆ Wash Strip: 1-12, Support skip Washing
- ◆ Delay time: 0-9 seconds for delay
- ◆ Soak time: 0-24 hours, Step 1 second
- ◆ Wash mod: Design of advanced non positive negative pressure technology, with the center of washing, two points washing, prevent the bottom of the cup from being scratched.
- ◆ Program storage: Support user programming、 200 groups of washing program storage, preview, delete, call, support for changing.
- ◆ Vibrae Speed: 3 grade, time: 0 - 24 hours.
- ◆ Level monitor: Support the liquid level alarm function
- ◆ Display: 5.6 inch color LCD screen, touch screen input, Support 7*24 hours continuous boot, and has the non working period energy conservation management function.
- ◆ Power input: AC100-240V 50-60Hz
- ◆ Bottle washing: 2000mL* 3
- ◆ Weight: 9Kg
- ◆ Size: 380mm(L)*330mm(W)*218mm(H)



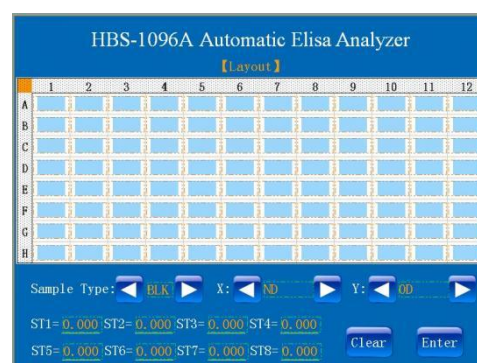
HBS-1096A Automatic Elisa Analyzer

- ◆ Industrial grade color LCD display, touch screen operation.
- ◆ Eight channel optical fiber measurement system, imported detector.
- ◆ Center positioning function, accurate and reliable.
- ◆ Three kinds of linear vibration plate function.
- ◆ Unique open Cut-Off judgment formula, Think what you think.
- ◆ End point method, two point method, dynamics, single / dual wavelength test mode.
- ◆ Configure the inhibition rate measurement module, dedicated to the field of food safety.

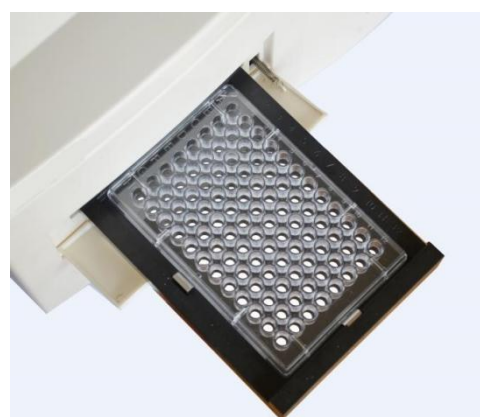


Main Parameters

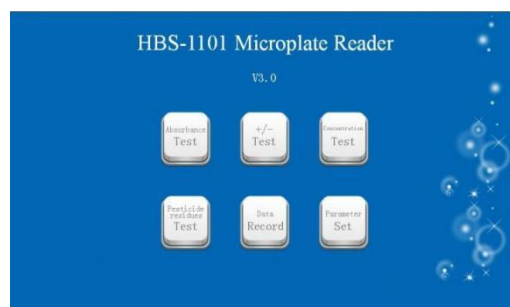
- ◆ Lamp: DC12V 22W Tungsten halogen lamp Optical path: 8 channel vertical light path system
- ◆ Wavelength range: 400-900nm
- ◆ Filter: Default configuration 405, 450, 492, 630nm, can be installed up to 10 filters.
- ◆ Reading range: 0-4.000Abs
- ◆ Resolution: 0.001Abs
- ◆ Accuracy: $\leq \pm 0.01$ Abs
- ◆ Stability: $\leq \pm 0.003$ Abs
- ◆ Repeatability: $\leq 0.3\%$
- ◆ Vibration plate : Three kinds of linear vibration plate function, Adjustable 0-255 seconds
- ◆ Display: 8 inch color LCD screen, display the entire board information, touch screen operation. Software: Professional software, Can store 200 groups program, 100000 sample results, More than 10 kinds of curve fitting equation. Power input: AC100-240V 50-60Hz
- ◆ Weight: 11Kg
- ◆ Size: 433mm(L)*320mm(W)*308mm(H)



Lay out



Automatic Elisa Analyzer HBS-1101



- ◆ 7 inch color LCD display, touch screen operation, visualization of panel and visualization of panel data.
- ◆ Center location, accurate data, good stability and good repeatability.
- ◆ Endpoint method, kinetic method, inhibition rate, single / dual wavelength measurement
- ◆ Wide voltage design and global power supply.

Main Parameters

- ◆ Lamp: DC12V 22W Tungsten halogen lamp
- ◆ Optical path: 7 channel vertical light path system
- ◆ Wavelength range: 400-900nm
- ◆ Filter: default configuration 405, 450, 492, 630nm, can be installed up to 10 filters
- ◆ Reading range: 0-4.000Abs
- ◆ Linear range: 0-3.000Abs
- ◆ Resolution: 0.001Abs
- ◆ Accuracy: $\leq \pm 0.01$ Abs
- ◆ Stability: $\leq \pm 0.003$ Abs
- ◆ Repeatability: $\leq 0.3\%$
- ◆ Vibration plate: three kinds of linear vibration plate function, adjustable 0-255 seconds
- ◆ Display: 7 inch color LCD screen, display the entire board information, touch screen operation
- ◆ Software: professional software, can store 200 groups program, 100000 sample results
- ◆ More than 10 kinds of curve fitting equation.
- ◆ Power input: DC12v 5A
- ◆ Weight: 6Kg
- ◆ Size: 400mm(L)*260mm(W)*200mm(H)

MR-96 Microplate Reader

MR-96 Microplate Reader: 8-channel microplate reader with automatic focusing, multi-mode analysis, and built-in printing—delivers precise, reliable results for diverse lab applications.



Specifications

Parameter	Specification
Model	MR-96
Measuring System	8 channels
Analysis Method	Cut-off, single and multi-standards, O.D., bichromatic, dynamic reading, etc
Linear Range	0.001~4.000Abs
Photometric Accuracy	±1% or ±0.001Abs
Repeatability	<±1.0%
Stability	<0.005Abs
Linearity	<±1.0%
Optical Filters	405nm, 450nm, 492nm, 630nm, 4 more optional
Reading	Automatic focusing function makes test result more precise
Plate Shaking	yes
Storage	500 programs and 1500 results
Interface	RS-232 serial port, USB, etc
Printer	Built-in thermal printer
Power Supply	AC 110V / 60Hz or 220V / 50Hz
Dimensions	46cm×36cm×21cm
Weight	10 kg

