

FULL WAVELENGTH MICROPLATE READER



FULL WAVELENGTH MICROPLATE READER

BR-MS-200 / BR-MS-200X is a monochromator-based microplate reader (also known as an ELISA analyzer) designed for absorbance detection across a broad wavelength range of 200–1000 nm. It supports both quantitative and qualitative analysis to accommodate diverse experimental requirements. BR-MS-200X is equipped with cuvette measurement on top of BR-MS-200. Besides ELISA, the BR-MS-200/BR-MS-200X is also suitable for measuring the concentration of DNA, RNA, and proteins, as well as a variety of enzymatic and kinetic assays. As the core mode of microplate-based analysis, absorbance detection has become the preferred method in life science research and applied testing due to its stability, sensitivity, and high-throughput capabilities.

FEATURES:

- Embedded 10.1 touch screen with pixel of 1920X1200, Android system with user-friendly UI design.
- Self-checking for each module during start to ensure stable and reliable measurements.
- Instrument applicable to 96-well plate, 384-well plate.
- Wavelength ranges 180-1000nm, high quality optical system based on imported monochromator with spectrometer of 1nm step accuracy.
- A measurement and reference dual-optical path system, ensures the stability of every test result.
- Qualified imported light source, lifespan flash 10° time (proximate 10 years), no preheat required.

- High precise motor, fast and stable measurements.
- Various measurement modes available: Spectrum scanning, Kinetics, End point (single/double/multi wavelength).
- Incubation function with accurate temperature control.
- Oscillation function ensure sample well-mixed.
- Featured built-in data post-processing methods, including blank subtraction, standard curve fitting, result qualification, and quality control.

Optional functions

- Micro volume plate module. Cuvette module for BR-MS-200X.
- PC software, enabling network-based control and integrated management from a computer, which facilitates large-scale applications.

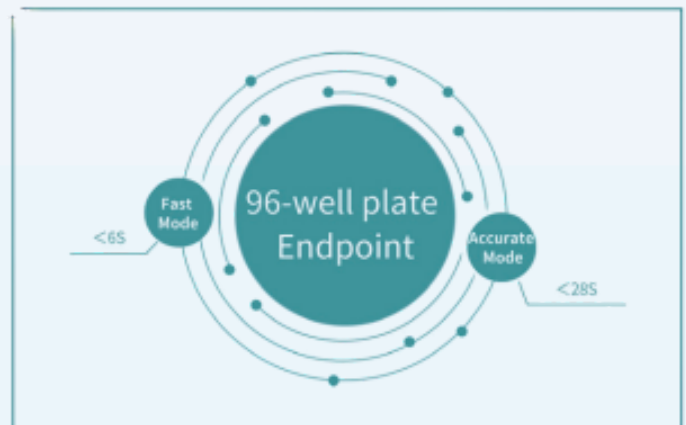
TECHNICAL SPECIFICATION:

MODEL NO.	BR-MS-200	BR-MS-200X
Cuvette detection	No	Yes
Light Source	Xenon lamp, flash 10^9 times	
Wavelength	200-1000nm	
Bandwidth	< 2.5 nm (support custom made 2~10nm)	
Wavelength accuracy	± 1 nm	
Wavelength repeatability	± 0.2 nm	
Measurement range	0-4.0 OD	
Shaking speed	linear, 3 optional speeds	
Optical system	Grating monochromator, 1nm steps	
Plate types	96-well 384-well	
System	Android	
Weight	18KG	
Power	221W	
Accuracy @450nm	plus/minus (0.5% + 0.001Abs) (0~2.0 Abs); (plus/minus 1)% (2.0-3.0Abs)	
Precision @450nm	Accurate mode: CV < 0.5% or SD<0.003, Fast mode: CV < 1%	
Stability@450nm	SD<0.005Abs(0-2.0Abs); CV< 1%(2.0-3.0Abs]	
Linearity@450nm	$R^2 \geq 0.999$ [0.0-3.0Abs]	
Incubation temperature	RT+4 [^] C sim 70 deg * C	RT+4 [^] C sim 70 deg * C (for plate) RT +4C sim 55C (for cuvette)

Temperature Accuracy	plus/minus 0.5 deg * C 637 deg * C
Temperature Uniformity	plus/minus 0.5 deg * C 637 deg * C
Measurement speed	96-well plate (End point): Fast Mode<6 seconds, Accurate Mode < 28 seconds
Exports	2* USB A、 1* USB A(OTG),1* Ethernet
Touch screen	10.1-inch
Memory	8G storage, can save 20000+ data files
Overall Size	305×505×260 mm
Voltage Input	DC24V, 9.2A

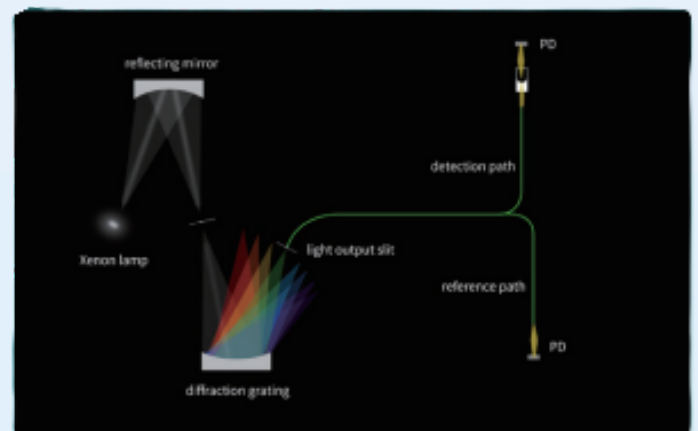
1. Fast & Reliable

- Fast self-checking during start without preheat
- Fast mode and Accurate mode for option
- Imported high precise motor

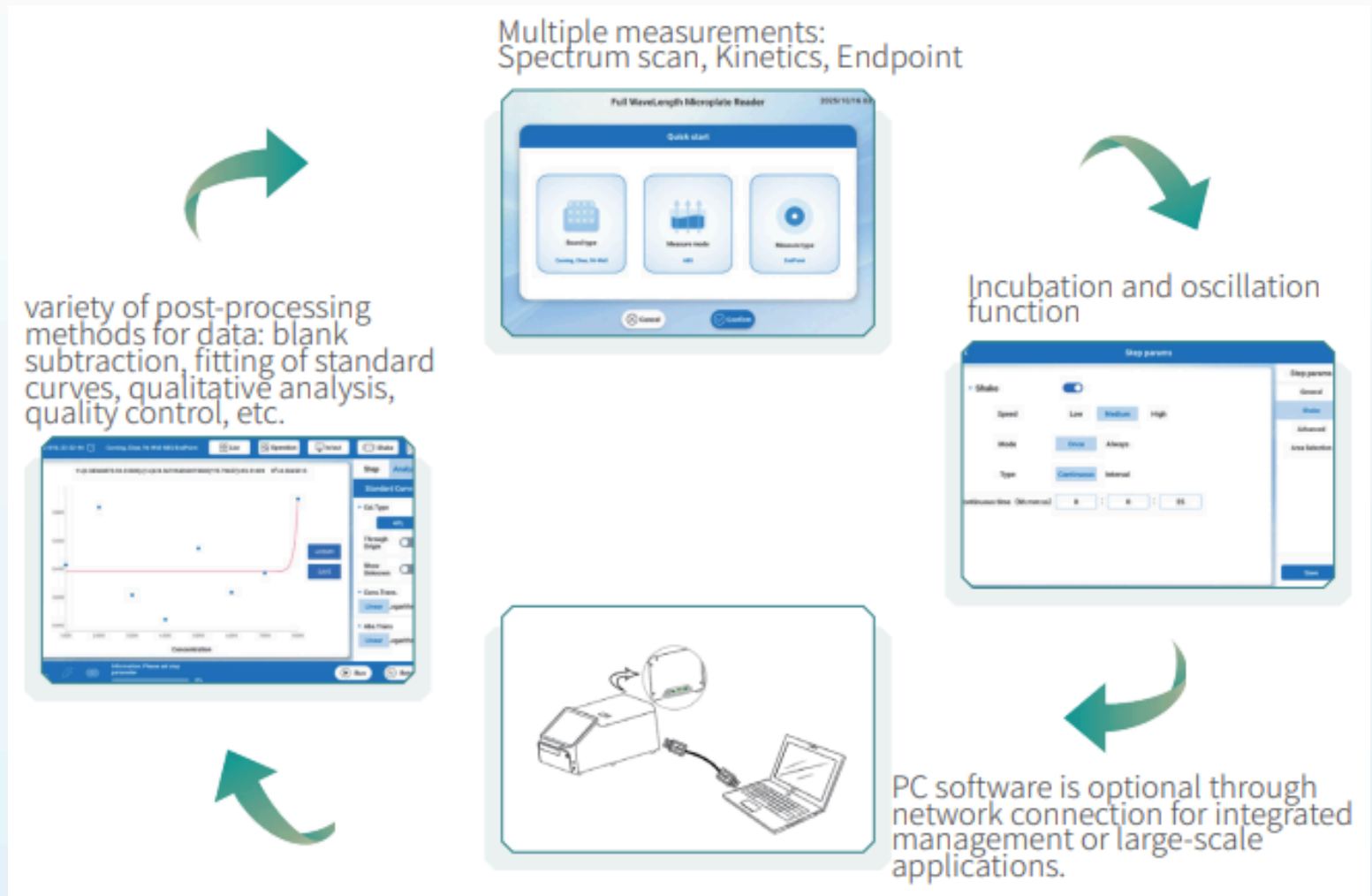


2. High precise optical path, multiple safeguards

- Dual-optical path system ensures the stability
- Light source, flash 10° time (proximate 10 years)
- Wavelength 180-1000nm



3. Versatile functional software



BR BIOCHEM LIFE SCIENCES PVT. LTD.

06, S.F. Gopal Nagar , Fateh Nagar, New Delhi-110018 ,India

Ph: +91 11 43033662/4, +91 8860082777

EMAIL: info@brbls.com | www.brbls.com



We are available on