

BOECO BMR-100 MICROPLATE READER

Our BMR-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 a regular or APP software

- ▶ Easy to use with a 7 inch touch screen together with 3 external keys
- ▶ A broad wavelength range of 340-750nm
- ▶ Able to use as a stand alone or with PC control software to export the results
- ▶ Absorbance range: 0.0~4.000Abs
- ▶ 8 position optical filter wheel equipped with 4 standard optical filters
- ▶ Fast and accurate measurement of 96-well plates within 6 second

Safety

The drawer is controlled by a motor, if there is anything blocked when it is closing, the motor would draw back to protect the user. The light source and optical filters can be exchanged without opening the cover.

Software

BMR-100 keeps with high visual and logical user interface of software. It offers a comprehensive inbuilt calculations, such as blank subtraction, quantitative curve fit, qualitative classification and kinetic calculations, as well as the versatile reporting tool and further provides data reduction.

Specification

Display:	7 inch touch screen (800x480 dots)
Light source:	Quartz-halogen lamp 6V/10W
Wavelength:	340-750 nm
Optical filter:	Standard filters 405, 450, 492, 630 nm
Half-bandwidth of filters:	3~9 nm
Read-out range:	0~4.000 Abs
Linearity (405 nm):	0~2.000 Abs $\leq \pm 1\%$, 2~4.000 Abs $\leq \pm 2\%$
Resolution:	0.001 Abs 1
Accuracy (405 nm):	$\pm 1\%$ (0-3Abs), $\pm 2\%$ (3-4Abs)
Precision (405 nm) :	CV $\leq 0.2\%$ (0-3Abs), CV $\leq 1.0\%$ (3-4 Abs)
Test speed	<6s for 96 wells plate
Incubator:	No
Shaking:	3 modes of 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
BOE 8160500	BMR-100 Microplate Reader with standard filters 405, 450, 492, 630 nm, 100-240 V, 50/60 HZ

Optional Filters

BOE 8160511	Optical filter 340 nm
BOE 8160512	Optical filter 380 nm
BOE 8160513	Optical filter 415 nm
BOE 8160516	Optical filter 540 nm
BOE 8160518	Optical filter 570 nm
BOE 8160519	Optical filter 578 nm
BOE 8160521	Optical Filer 595 nm
BOE 8161523	Optical filter 650 nm
BOE 8160518	Optical filter 690 nm

