



- Large 7inch coloured touchscreen
- Superior flexibility and reliability
- Excellent optical system
- Extended memory measurement program
- Practical and simple software

Technology Services Future

## K3 Plus Microplate Photometer

# BIO-DL K3 Plus Microplate Photometer

Dedicated to measuring absorbance through microplate, K3 Plus uses an 8-channel vertical optical density detection concept. The 8-bit high-quality interference filter wheel with a wavelength range of 400 to 750nm, the large 7inch coloured display, the flexible internal software and the excellent instrument performance provide great flexibility in a variety of diagnostic applications.

## Features

- Provides standard absorbance measurements by an 8-channel vertical optical density;
- Measure absorbance for wavelength range of 400 to 700nm , used in a variety of research and clinical applications;
- Two measurement modes ( Continuous and stepper ) , measurement time on 96-well plate is only 8s , Fast and repeatable;
- Various program measurement modes are available, including single wavelength, dual wavelength, dual time method, dynamics and multi-wavelength mode;
- System built-in self-diagnostic program , ensure the stability and reliability of the instrument;
- Easy to use through the large coloured display, Chinese-English interface;
- The linear shaker operates at three different levels of speeds is available for more experimental requirements.

## Technical Specifications

Overall dimensions	140mm ( H ) ×420mm ( W ) ×320mm ( D )	Absorbance resolution	0.001A
Weight	11kg	Linearity	0-3Abs , Linear correlation coefficient are above 0.995 at 450nm
Mains power supply	220V , 50 Hz	Accuracy	0-0.3A , ±0.007Abs
Power consumption	170W	Precision	0.3-2.0A , Standard value ±1%
Transportation conditions	-40°C to +70°C, Packed in transport packaging	Measurement time	8s/96-well plate ( Continuous modes ) 20s/96-well plate ( Step modes )
Storage conditions	-25°C to +50°C, Packed in transport packaging	Shaker	Linear shaking, 3 speeds levels
Plate types	96-well plates	User interface	7-inch coloured display
Optical system	Quartz-halogen tungsten lamp (8V/50W),	Operating method	touch or connect to a PC
Wavelength range	400-750nm	Storage	Above 500 programs
Filters	Equipped with 8 optical filters in max Standard filters installed: 405 nm , 450 nm, 492nm and 630nm	Interface	USB ( PC or printer )
Half-bandwidth of filters	3-9nm		
Measurement range	0-4.0A		

## Ordering Information

Catalog Number	Description	Warranty
51B11001	K3 Plus Microplate Photometer	One Year



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