

Elisa Microplate Reader



Features:

- 10.1-inch large touch screen operation.(Except BK-EL10B)
- High precision and accurate results.
- Software: Single wavelength and double wavelengths detection methods.
- BK-EL10D is the Windows operating interface, and BK-EL10DA is the Android operating interface.

Parameters:

Model	BK-EL10A	BK-EL10B	BK-EL10C	BK-EL10D	BK-EL10DA
Measurement Channel	Vertical 8 optical channels				
Plate Type	96-well microplate				
Wavelength Range	400 ~ 750nm			340 ~ 850nm	
Filter	Standard 4 wavelengths of 405, 450, 492, 630nm(BK-EL10A, BK-EL10B, BK-EL10C) Standard 5 wavelengths of 340, 405, 450, 492, 630nm(BK-EL10D, BK-EL10DA) Optional: Up to 10 wavelengths.				
Linear Range	0.000 ~ 3.000Abs				
Reading Range	0.000 ~ 4.000Abs			0.000 ~ 4.500Abs	
Resolution	0.0001Abs				
Repeatability	CV≤0.2%				
Stability	≤±0.003Abs/10min				
Sensitivity	≥0.01L/mg				
Channel Difference	≤0.02Abs				
Vibration Plate Function	3 kinds of vibration plate function, adjustable 0~255s(BK-EL10C) 5 kinds of vibration plate function, adjustable 0~255s(BK-EL10A, BK-EL10B, BK-EL10D, BK-EL10DA)				
Incubation Function	Time Range: 0~60min Temp. Range: RT +4℃~50℃ (Only for BK-EL10D, BK-EL10DA)				
Software (Standard)	Detection Mode	Single/double wavelength			
	Qualitative	Open CUT-OFF decision formula, supporting the input of judgment condition, validity condition input, grey area setting and other functions			
	Quantitative	Support linear, Semi-log, natural logarithm, log-log, point-to-point, four-parameter equation and other quantitative analysis fitting algorithms			
Others	Display	10.1 inch color touch capacitive screen(BK-EL10A, BK-EL10D, BK-EL10DA) 10.1 inch resistive touchscreen(BK-EL10C)			
	Operating Mode	Touch screen operation, equipped with capacitive stylus, support for external keyboard and mouse(BK-EL10A, BK-EL10D, BK-EL10DA)			
	Printer(Optional)	BK-EL10A, BK-EL10D, BK-EL10DA: Support external USB, RJ45 network port and other universal interface printer(A4 printer can be optional) BK-EL10B: Workstation software supports normal printer(A4 printer can be optional) BK-EL10C: Workstation software supports normal printer(A4 printer and thermal printer can be optional)			
	Interface	USB2.0*4, RJ45 network port *1, RS-232*1(BK-EL10A, BK-EL10D, BK-EL10DA) RS232 serial port(BK-EL10B) RS-232*2 (standard RS232 to USB cable)(BK-EL10C)			
Power Supply	AC100~240V, 50/60Hz				
Instrument Size(W*D*H)	450*320*300mm	450*320*190mm	450*320*300mm	495*340*370mm	
Package Size(W*D*H)	540*400*460mm		585*425*405mm	610*440*475mm	
Net/Gross Weight	13/15kg	10/12kg	11/13kg	12/14kg	

Elisa Microplate Reader BK-EL10E



Features:

- 96-well full wavelength scanning, wavelength range 190nm~1000nm.
- No need to preheat when starting up, can be detected directly.
- 10.1-inch color touch screen, visual free layout, improve user operation experience.
- Comes with incubation heating function.
- Comes with microplate oscillation mixing function, no need to use an external shaker.
- Suitable for all light absorption and turbidity research applications, supports spectral scanning, endpoint method, and kinetic method.

Parameters:

Model	BK-EL10E
Detection Method	96-well full wavelength scanning
Detection Speed	Complete 96-well plate detection within 20 seconds
Plate Layout Method	Visual free layout
Wavelength Range	190nm~1000nm (1nm step)
Light Source	Flashing xenon lamp
Spectral Bandwidth	2.5nm (2~10nm, can be customized)
Precision	OD accuracy 1.0%+0.003OD (0~2.0 OD); 2.0% (2.0~2.5 OD) @450nm
Incubation Temperature	RT+2~65℃
Shaking Function	Shaking mode, shaking speed and shaking time are adjustable
Microplate Type	96-well microplate
Display	10.1-inch color touch screen
Storage Capacity	>20,000 samples
Power	120VA
Power Supply	AC100~240V, 50/60Hz
Instrument Size(W*D*H)	340*430*400mm
Package Size(W*D*H)	440*610*475mm
Net/Gross Weight	12/21kg