EzDrop 1000

Micro-Volume Spectrophotometer

MORE THAN JUST SPEED





More than just Speed

EzDrop 1000 Micro-Volume Spectrophotometer accelerates your research efficiency. It can complete the measurement of a sample concentration speedily in 3 seconds. EzDrop 1000 provides dynamic full-spectrum 190-1000 nm detection, while the sample window is equipped with Nano hydrophobic coating, ensuring highly accurate results.

Coming with an intuitive operation screen, EzDrop 1000 makes each step fast and simple, helping you complete the measurement effortlessly.

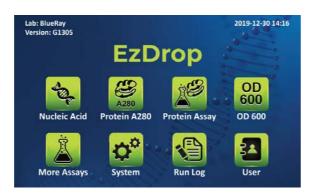
Unparalleled Performance

Fast measurement in 3 seconds.



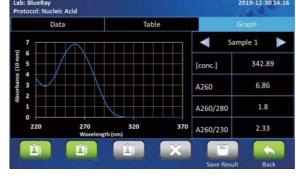
The CV value of absorbance is < 1%.

Comprehensive Operation Experience



Intuitive Graphic Interface

> The built-in intuitive graphic interface is easy to use, and can be operated without extra computing equipment, saving space in the laboratory.



Nucleic Acid Quantitation

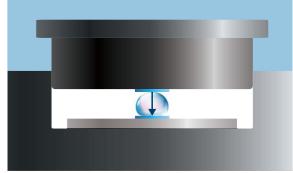
- > Multiple built-in functions allow you to measure nucleic acids, proteins, cells and other samples with the touch of a button.
- > The automated measuring function raises the speed and convenience of operation.



LED Assist Light

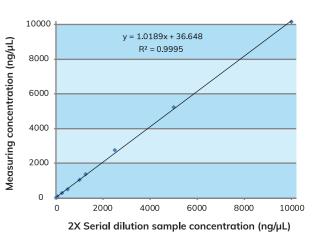
> The thoughtfully-designed assist light makes up for the lack of ambient light, and minimizes sample placement errors.

Quality Guaranteed



Sample Window System with Nano Hydrophobic Coating

- > A layer of Nano hydrophobic coating on the sample window ensures the formation of sample column.
- > The replaceable sample window system greatly reduces the possibility of residual contamination.
- > The CV value of absorbance is < 1%.



> The cushion design on the detection arm reduces impact, which in turn reduces error in experiments.



Specifications

Optics Information

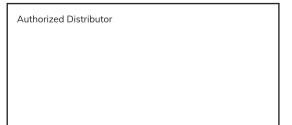
Sample Number 1 Pathlength 0.5 mm / 0.05 mm Detector Type 2048 element CMOS Wavelength Range 190 - 1000 nm Bandwidth 1.3 nm Wavelength Accuracy 1.0 nm Spectral Resolution 1.5 nm (FWHM at Hg 253.7 nm) Absorbance Precision (raw) 0.0015 A (0.5 mm) Absorbance Precision (raw) 0.03 A (1 cm equivalent) Absorbance Accuracy 3.0% at 0.75 A at 300 nm Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A Bandwidth 0.5 at a 300 nm Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A Bandwidth 0.5 at a 300 nm Comple Surface Material of Construction (Lower and Upper) Stainless steel and quartz window with hydrophobic treatment of the accuracy of the same of the s	optics information	
Pathlength O,5 mm / 0.05 mm Light Source Pulsed Xenon flash lamp Detector Type 2048 element CMOS Wavelength Range 190 - 1000 nm Bandwidth 1.3 nm Wavelength Accuracy 1.0 nm Spectral Resolution 1.5 nm (FWHM at Hg 253.7 nm) Absorbance Precision (raw) 0.0015 A (0.5 mm) Absorbance Precision 0.03 A (1 cm equivalent) Absorbance Accuracy 3.0% at 0.75 A at 300 nm Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A Beach of 600 mg/mL Scample Surface Material of Construction (Lower and Upper) Stainless steel and quartz window with hydrophobic treatment Absorbance Time Software Operating System Custom Linux based OS Registered User Folder No. See Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System Custom Linux based OS Registered User Folder No. Software Operating System All Common lob gloves All common lob gloves Internal Storage Prever Adopter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Sample Volume	1 μL minimum volume
Pulsed Xenon flash lamp Detector Type 2048 element CMOS Wavelength Range 190 - 1000 nm Bandwidth 1.3 nm Wavelength Accuracy 1.0 nm Spectral Resolution 1.5 nm (FWHM at Hg 253.7 nm) Absorbance Precision (raw) Absorbance Precision 0.03 A (1 cm equivalent) Absorbance Accuracy 3.0% at 0.75 A at 300 nm Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A dsDNA: 2 - 20000 ng/µL BSA: 0.06 - 600 mg/mL Sample Surface Material of Construction (Lower and Upper) Stainless steel and quartz window with hydrophobic treatment Measurement Time < 3 sec Software Operating System Custom Linux based OS Registered User Folder No. User Folder Possword Protection Yes General Display 7" color LCD with capacitive touch panel Data Port 1 USB Type-A front port for USB flash drive Footprint Dimensions (W x D x H) Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Sample Number	1
Detector Type 2048 element CMOS Wavelength Range 190 - 1000 nm Bandwidth 1.3 nm Wavelength Accuracy 1.0 nm Spectral Resolution 1.5 nm (FWHM at Hg 253.7 nm) Absorbance Precision (raw) 0.0015 A (0.5 mm) Absorbance Precision 0.03 A (1 cm equivalent) Absorbance Accuracy 3.0% at 0.75 A at 300 nm Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A Betection Range dsDNA: 2 - 20000 ng/pL BSA: 0.06 - 600 mg/mL BSA: 0.06 - 600 mg/mL Songle Surface Material of Construction (Lower and Upper) Stainless steel and quartz window with hydrophobic treatment Measurement Time < 3 sec	Pathlength	0.5 mm / 0.05 mm
Wavelength Range 190 - 1000 nm Bandwidth 1.3 nm Wavelength Accuracy 1.0 nm Spectral Resolution 1.5 nm (FWHM at Hg 253.7 nm) Absorbance Precision (raw) 0.0015 A (0.5 mm) Absorbance Precision 0.03 A (1 cm equivalent) Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A dsDNA: 2 - 20000 ng/µL BSA: 0.06 - 600 mg/mL Sample Surface Material of Construction (Lower and Upper) Stainless steel and quartz window with hydrophobic treatment Absorbance Range (1 cm equivalent) Custom Linux based OS Registered User Folder No. User Folder Password Protection Yes General Display 7" color LCD with capacitive touch panel Data Port Footprint Dimensions (W x D x H) Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Light Source	Pulsed Xenon flash lamp
Bandwidth	Detector Type	2048 element CMOS
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Spectral Resolution 1.5 nm (FWHM at Hg 253.7 nm) Absorbance Precision (raw) 0.0015 A (0.5 mm) Absorbance Precision 0.03 A (1 cm equivalent) Absorbance Accuracy 3.0% at 0.75 A at 300 nm Absorbance Range (1 cm equivalent) 0 (0.04) - 400 A dsDNA: 2 - 20000 ng/µL BSA: 0.06 - 600 mg/mL Sample Surface Material of Construction (Lower and Upper) Stainless steel and quartz window with hydrophobic treatment Measurement Time < 3 sec Software Operating System Custom Linux based OS Registered User Folder No. User Folder Password Protection Yes General Display 7" color LCD with capacitive touch panel Data Port 1 USB Type-A front port for USB flash drive Footprint Dimensions (W x D x H) 206 x 333 x 166 mm Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Bandwidth	1.3 nm
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Absorbance Accuracy Absorbance Range (1 cm equivalent) O (0.04) - 400 A dsDNA: 2 - 20000 ng/µL BSA: 0.06 - 600 mg/mL Sample Surface Material of Construction (Lower and Upper) Statinless steel and quartz window with hydrophobic treatment Measurement Time < 3 sec Software Operating System Custom Linux based OS Registered User Folder No. User Folder Password Protection Yes General Display 7" color LCD with capacitive touch panel Data Port 1 USB Type-A front port for USB flash drive Footprint Dimensions (W x D x H) Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Absorbance Precision (raw)	0.0015 A (0.5 mm)
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Registered User Folder No. > 500 sets User Folder Password Protection Yes General Display 7" color LCD with capacitive touch panel Data Port 1 USB Type-A front port for USB flash drive Footprint Dimensions (W x D x H) 206 x 333 x 166 mm Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Software	
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Display 7" color LCD with capacitive touch panel 1 USB Type-A front port for USB flash drive 206 x 333 x 166 mm Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Internal Storage 20 G B flash memory Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Registered User Folder No.	> 500 sets
7" color LCD with capacitive touch panel 1 USB Type-A front port for USB flash drive 206 x 333 x 166 mm Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	User Folder Password Protection	Yes
Data Port 1 USB Type-A front port for USB flash drive Footprint Dimensions (W x D x H) 206 x 333 x 166 mm Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	General	
Footprint Dimensions (W x D x H) 206 x 333 x 166 mm 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Display	7" color LCD with capacitive touch panel
Weight 3.5 kg (7.8 lb) Glove Compatibility All common lab gloves Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Data Port	1 USB Type-A front port for USB flash drive
Glove Compatibility All common lab gloves Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Footprint Dimensions (W x D x H)	206 x 333 x 166 mm
Internal Storage 32 GB flash memory Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Weight	3.5 kg (7.8 lb)
Power Adapter Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A	Glove Compatibility	All common lab gloves
	Internal Storage	32 GB flash memory
Certifications CE, RoHS	Power Adapter	Input: AC 100-240 V, 50/60 Hz; Output: DC 24 V, 2.08 A
	Certifications	CE, RoHS

Specifications are subject to change without prior notice.

Ordering Information

BRED-1000 EzDrop 1000 Micro-Volume Spectrophotometer







Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.