



ComfyDrop

a μ -vol UV-Vis spectrophotometer



Giving highly accurate full spectrum measurements with micro-samples, ComfyDrop™ is widely used in molecular biological experiments and in absorbance detection for the general substance analysis. Its variable pathlength realizes both the low sample volume detection and the detection to the high concentration samples without dilution. Additional cuvette position is also available.

Specifications

Parameters		Module	
		UVS-115	UVS-115C
Detector		2048-element linear CCD array	
Sample Amount		0.5 -2μl	
Pathlength		0.05 – 0.7mm	
Wavelength Range		200 – 850nm	
Spectral Bandwidth		≦ 1.8mm (FWHM)	
Spectral Resolution		≦ 0.3nm	
Wavelength Accuracy		< 1nm	
Wavelength Resolution		≦ 2nm	
Absorbance Range		0.04 – 300Abs (10mm)	
Absorbance Precision		0.002Abs (1mm)	
Absorbance Accuracy		1% (0.76Abs at 256nm)	
Detection Range		2 – 15000ng/μl (dsDNA)	
Detection Time		5 sec.	
Cuvette Mode	Size	Null	12.5(L)x12.5(W)x45(H)mm
	Optical Length	Null	10, 5, 2, 1mm
	Center Height Z	Null	8mm
	Heating Temp.	Null	37 ± 0.5 °C
	Mixing Speed	Null	130 – 900RPM
	Absorbance Range	Null	0.004 – 25Abs(10mm)
	Detection Concentration	Null	0.2 - 75ng/μl (dsDNA)(10mm)
Power		AC110V-220V 50HZ/60HZ (Power adapter)	
Size		197(W) x 327(D) x 181(H) mm	
Weight		3.1KG	