

CETI 190 - 1000nm UV-Visible Single Beam Spectrophotometer (MD-2100UV)

Product Code: MD-2100UV

Brand: CETI

With microprocessor control and a 2 line 20 character LCD display, the CETI 190 - 1000nm UV-Visible Single Beam Spectrophotometer (MD-2100UV) is ideal for carrying out tests performed in environmental protection, water, biochemistry, clinical, food & beverage, and industrial laboratories.

RS232 analogue output and optional software available.



Specifications:

Basic Testing Mode	Basic Measurement	Photometric measurement (A/T), concentration measurement (C)
	Concentration Measurement	Slope method ($C = K \times A$), standard curve method
	Software Functions	Win-spec workstation, SP-I.33EN. Photometric analysis: T,A, and C
Main Specifications	Grating System (l/mm)	1200
	Mode	Transmittance, absorbance, concentration
	Display	2 line 20 character LCD
	Light Source	6V/10W Halogen lamp (2000h)
	Sample Compartment (l x w)	100 x 50mm optical path
	Standard Cell Configuration	10mm glass cell (4pcs)
	Power Requirements	110/220V AC, 50/60Hz, $\pm 10\%$
	Dimensions (l x h x w)	475 x 420 x 180mm
	Net Weight (kg)	12
Photometric Performance	Photometric Range	0 - 125%T, -0.097 -3.000A
	Photometric Accuracy	$\pm 0.5\%T$
	Photometric Repeatability	0.3%T
	Stability	$\pm 0.002A/hr.$ at 500mm after warming up for one hour
	Display	2 x 20 digital LCD displayer
Optical Performance	Type	Single Beam
	Optical System	Littrow type optic system with 1200 grooves/mm diffraction grating monochromatic
	Spectrum Bandwidth (nm)	4
	Wavelength Range (nm)	190 - 1000
	Wavelength Accuracy (nm)	± 1
	Wavelength Repeatability (nm)	≤ 0.5
Standard Configuration	10mm manual four-cell holder (1pcs), 10 x 10 x 45mm standard glass quartz cuvettes (4pcs/2pcs), RS-232C connection cord, Power cable, user manual, operation manual, win-spec software 2.33EN	
Extended Function	Automatic multi-cells holder, Micro-volume testing, Constant temperature testing, USB communication port	
Accessories for Choice	Automatic multi-cells holder, Electronic constant temperature cells holder, Water cycling constant temperature cells holder, 5 - 100mm light path manual multi-cells holder, Micro cell holder with 1 - 4mm silt single cell, 100 - 200 μ l ultra-micro cell holder, Cuvettes with different specifications, USB communication port	

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