

CETI 340 - 1000nm Single Beam Visible Spectrophotometer (MD-1105)

Product Code: MD-1105

Brand: CETI

Complete with microprocessor control and a 3.5 LCD display, CETI's 340 - 1000nm Single Beam Visible Spectrophotometer (MD-1105) 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	3.5 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)	415 x 315 x 155mm
	Net Weight (kg)	7
Photometric Performance	Photometric Range	0 - 125%T, 0-1.999A, 0-1.999C, 0-1.999F
	Photometric Accuracy	$\pm 1.0\%T$
	Photometric Repeatability	0.5%T
	Stability	$\pm 0.004A/hr.$ at 500mm after warming up for one hour
Optical Performance	Type	Single Beam
	Optical System	Littrow type optic system with 1200 grooves/mm diffraction grating monochromatic
	Light Path	50mm
	Spectrum Bandwidth (nm)	6
	Wavelength Range (nm)	340-1000
	Wavelength Accuracy (nm)	± 2
	Wavelength Repeatability (nm)	≤ 1
	Stray Light	$\leq 0.5\%T$ at 360nm
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 (MD-I 105), Power cable, user manual operation manual (MD-2100)	

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