

Double Beam Spectrophotometer MODEL UV-M90



The UV-M90 double beam spectrophotometer is equipped with a high-grade blazed holographic grating monochromator that ensures accuracy and stability. Wavelength range is from 190nm up to near-Infrared 1100nm. Bandwidth 1nm. Functions: Photometry, Quantitative analysis, Wavelength scanning, Standard curve, Kinetics, Multi-wavelength analysis, Concentration and spectrum processing [addition, subtraction, multiplication, division, spectrum derivative and comparison]. DNA/protein concentration measurement.

UV-M90

SPECTROPHOTOMETERS

Technical features

Optical system	Double beam, blazed holographic Grating 1200 lines/mm	Band Width	1nm
Wavelength Range	190-1100nm	Wavelength Accuracy	±0.3nm
Photometric Display Range	-4 ~ 4A, 0 ~ -200%T, 0 ~ 9999C	Wavelength Repeatability	0.2nm
Stability	± 0.0004A/h @ 500nm	Wavelength Display	0.1nm, 0.2nm, 0.5nm, 1.0 nm 2.0nm
Scan Speed	low speed (450nm/min), normal speed (800nm/min), high speed (1100nm/min)	Photometric Accuracy	±0.3%T
Stray Light	≤0.05%T @ 220nm,360nm	Photometric Repeatability	0.2%T
Standard cell holder	1 reference and 1 sample 10mm cell holders	Operating modes	T, A, C
Display	320*240 Dots LCD	Baseline Flatness	± 0.001A/h
Lamps	Halogen Lamp Deuterium Lamp	Noise	± 0.0004A/h
Detector	Silicon Photodiode		
Data Output Port	USB		
Printer port	Parallel		
Power Requirement	AC 110V/60Hz or 220V/50Hz		
Dimension (W*L*H), Weight	625L×430L×206H (mm) 29kg		

Included accessories

Advanced Software for connection to computer, 2 quartz cuvette 10mm, 4 glass cuvette 10mm

Optional accessories

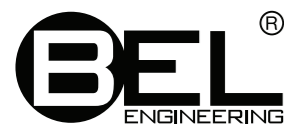
8-position cell holder, Micro Printer, UV-Basic software, Peltier/Sipper system, Continuous flux cuvette, Microcuvettes



SPECTROPHOTOMETERS
UV-M90
UV-M51
V-M5



(Bel Engineering holds the right to make technical or other modifications to its products without prior warning)
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Spectrophotometer Visible MODEL V-M5



Wavelength range is from 325nm to 1000nm with:
Absorbance, Transmittance, Concentration and Factor measuring modes.
Bandwidth 4nm
Built-in stray light filter
The instrument is equipped with USB to be connected to a computer.
The UV-Basic software package can expand features to:
Standard curve, Kinetics
Included Accessories: Glass 10mm cuvettes

Technical features

Optical system	Single beam with CT monochromator 1200 l/mm grating
Wavelength Range	325~1000nm
Band Width	4nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	1nm
Photometric Accuracy	±0.5%T
Photometric Repeatability	0.3%T
Operating modes	T, A, C
Photometric Display Range	0~125%T, -0.097~1.999A
Stability	0.002A/h @ 500nm
Stray Light	≤0.2%T @340nm
Standard cell holder	4-position 10mm cell holder
Display	Graphic LED
Lamps	Halogen Lamp
Detector	Silicon Photodiode
Data Output Port	USB
Printer port	Parallel
Power Requirement	AC 85-220V 80W
Dimension (W*L*H), Weight	420*280*180mm 8kg

Included accessories

Software for connection to computer, 4 glass cuvette 10mm

Optional accessories

50mm or 100mm 4-position cell holder, Micro Printer, UV-Basic software

Spectrophotometer UV Visible MODEL UV-M51



Wavelength range is from 190nm to 1000nm with Absorbance,
Transmittance, Concentration and Factor measuring modes.
Bandwidth 2nm
The internal database can store 200 groups of data.
Halogen and deuterium lamp can be turned on/off individually
to extend lifetime
The instrument is equipped with USB to be connected to a computer

The **UV-PROFESSIONAL** software included expands the applications to:
Photometry, Quantitative analysis, Wavelength scanning,
Standard curve, Kinetics (time scanning), Multi-wavelength analysis.
Also additional features like: spectrum computing
(spectrum addition, subtraction, multiplication and spectrum division).
Spectrum derivative and spectrum compare.
DNA/Protein Analysis
Included Accessories: Glass and quartz 10mm cuvettes

Technical features

Optical system	Single beam with CT monochromator 1200 l/mm grating
Wavelength Range	190~1000nm
Wavelength Setting	Auto
Photometric Display Range	0~200%T, -0.3~3.0A, 0~9999C
Band Width	2nm
Scan Speed	800nm/min
Wavelength Accuracy	±1nm
Wavelength Repeatability	0.5nm
Photometric Accuracy	±0.5%T
Photometric Repeatability	0.3%T
Operating modes	T, A, C, F
Stability	0.002A/h @ 500nm
Stray Light	≤0.3%T
Standard cell holder	4-position 10mm cell holder
Display	128*64 Dots LCD
Lamps	Deuterium Lamp & Halogen Lamp
Detector	Silicon Photodiode
Data Output Port	USB
Printer port	Parallel
Power Requirement	AC 110V-220V 80W
Dimension (W*L*H), Weight	420*280*180mm 15kg

Included accessories

Advanced Software for connection to computer, 2 quartz cuvette 10mm, 4 glass cuvette 10mm

Optional accessories

50mm or 100mm 4-position cell holder, Micro Printer, Peltier/Sipper system, Continuous flux cuvette, Microcuvettes