

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.

Technical features

Optical system	Double beam, blazed holographic Grating 1200 lines/mm	
Wavelength Range	190-1100nm	Band Width 1nm
Photometric Display Range	- 3 ~ 3A, 0 ~ 200%T, 0 ~ 9999C	Wavelength Accuracy ±0.3nm
Stability	± 0.0004A/h @ 500nm	Wavelength Repeatability 0.2nm
Scan Speed	low speed (450nm/min), normal speed (800nm/min), high speed (1100nm/min)	Wavelength Display 0.1nm, 0.2nm, 0.5nm, 1.0 nm 2.0nm
Stray Light	≤0.05%T @ 220nm,360nm	Photometric Accuracy ±0.3%T
Standard cell holder	1 reference and 1 sample 10mm cell holders	Photometric Repeatability 0.2%T
Display	320*240 Dots LCD	Operating modes T, A, C
Lamps	Halogen Lamp Deuterium Lamp	Baseline Flatness ± 0.001A/h
Detector	Silicon Photodiode	Noise ± 0.0004A/h
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

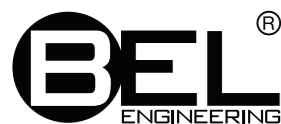
8-position cell holder, Micro Printer, UV-Basic software, Peltier/Sipper system, Continuous flux cuvette, Microcuvettes



SPECTROPHOTOMETERS
UV-M90
UV-M51
V-M5



(Bel Engineering holds the right to make technical or other modifications to its products without prior warning)
SCIMANI DESIGN 2013 rev. 9/2016



Headquarters

BEL Engineering Srl.

Via Carrà 5, 20900 Monza MB ITALY

Phone: + 39 039 200 6102 | 200 5302

Fax: +39 039 2140929

Website: www.belengineering.com | e-mail: info@belengineering.com

Distributor:

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