

**Features:**

- Large LCD Screen (128x64 Dots).
- Wavelength can be read out from the screen directly.
- Auto Zero and Blank.
- Parallel port, printed directly.
- Large sample compartment, it can accommodate 5-100mm path length cuvettes with optional holders.
- Pre-aligned design ensures the user can change lamp conveniently.
- Optional software PC software M.Wave Professional can expand the applications to Standard Curve Kinetics & wave length scan.
- High quality silicon photometric diode detector and 1200 lines/mm grating ensure high accuracy and precision.

SPECTRO V11D/UV11D

V11D is the only model of manually setting wavelength in MRC families, but precise design and high quality components ensures excellent performance. It is widely used in high schools & colleges for general analysis & experiments. Include basic software, 10mm 4 cell Holder 4x Glass 10mm cuvette.

Model	SPECTRO-V11D	SPECTRO-UV11D
Wavelength range	325-1000nm	200-1000nm
Spectral Bandwidth	4nm	
optical system	Single Beam , Grating 1200 lines/mm	
Wavelength Accuracy	±2nm	
Wavelength Repeatability	1nm	
Wavelength Setting	Manual	
Photometric Accuracy	≤ ±0.5%T or ±0.003A@1A	
Photometric Range	0-200%T , -0.3 -3A, 0-1999Conc.	
Stray Light	0.3%T	
Stability	±0.004A/h @500nm	
Display	128*64 Dots LCD	
Photometric Mode	T, A, C, F	
Detector	Silicon Photodiode	
Standard Cell Holder	4-position 10mm cell changer	
Sample Compartment	Standard 10mm pathlength cuvette	
Light Source	Tungsten Lamp	Tungsten & Deuterium lamp
Output	USB Port & Parallel Port (printer)	
Power Requirement	AC 85V~265V 50/60Hz	
Dimensions (WxDxH)	480x360x160mm	
Weight	10kg	12kg



SPECTRO-V/UV-12, UV-11 spectrophotometer is the ideal instrument for education and QC laboratories. Using your standard sample solutions, you can get a standard curve on the large LCD screen. They are widely used in colleges and enterprises for general quantitative analysis and experiments. Include basic software, 10mm 4 cell Holder 4xGlass 10mm cuvette.

SPECTRO-V12/UV12/UV11**Features:**

- Large LCD screen(128x64 Dots)
- Can display total 50 groups of data, 3 groups per screen. Can display standard curve and the curve equation.
- System can also save the test results. Total 200 groups of data and 100 standard curves can be saved; it is convenient for check and reload.
- Data can be restored after a sudden power cut.
- Auto setting wavelength.
- Tungsten lamp & Deuterium lamp can be tuned on/off individually to extend lifetime.
- Pre-aligned design makes it convenient to change lamps.
- Large sample compartment, it can accommodate 5-100mm path length cuvettes with optional holders. A variety of optional accessories are available.
- The optional application software M.Wave Professional provides complete control of the spectrophotometer through the Built-in USB port. You can achieve the following functions: **I.** Quantitative; **II.** Kinetics; **III.** Wavelength Scan; **IV.** Multi Wavelength; **V.** DNA/Protein.

Model	SPECTRO-V12	SPECTRO-UV12	SPECTRO-UV-11
Wavelength range	325-1000nm	200-1000nm	
Spectral Bandwidth	4nm		
optical system	Single Beam , Grating 1200 lines/mm		
Wavelength Accuracy	±2nm		
Wavelength Repeatability	0.8nm	1nm	
Photometric Accuracy	≤ ±0.5%T or ±0.003A@1A		
Photometric Range	0-200%T , -0.3 -3A, 0-9999Conc.		
Stray Light	0.3%T		
Stability	±0.002A/h @500nm		
Detector	Silicon Photodiode		
Standard Cell Holder	4-position 10mm cell changer		
Sample Compartment	Standard 10mm pathlength cuvette		
Light Source	Tungsten Lamp	Tungsten & Deuterium lamp	
Output	USB Port & Parallel Port (printer)		
Power Requirement	AC 110/220V 50/60Hz		
Dimensions (WxDxH)	470x370x180mm		
Weight	12kg	14kg	