

UV / VIS Spectrophotometer EMC-3 series

The EMC-3 series are advanced single beam spectrophotometers. They provide excellent performance for measurements in the range of 190 to 1100 nm. The memory is 32K. They are suitable for pharmaceutical, biochemical and clinical lab applications as well as routine applications such as quantitative analysis, kinetics, wavelength scan, multi-wavelength and DNA/Protein analysis. The UV/VIS Analyst software based on Microsoft Windows® makes the instruments versatile. The instruments provide excellent performance for measurements.

Features:

- Fixed or variable slits (Bandwidth)
- Sealed, solvent-resistant tactile keypad with alpha-numeric entry for file names and units
- Pre-aligned deuterium lamp for easy lamp replacement. The status of the lamp may be monitored
- Online software upgrading via internet helps to keep it updated
- Data Download-to-PC software expands the data storage to unlimited
- The PC model comes standard with Windows® based application software UV-VIS Analyst
- Data can be saved by USB memory device directly



Model	EMC-31PC-UV	EMC-32PCS-UV
Wavelength Range	190-1100 nm	
Spectral Bandwidth	2 nm	0.5/1/2/4/5 nm
Optical System	Single Beam, grating	1200 lines/mm
Wavelength Accuracy	±0.5 nm	±0.3 nm
Wavelength Repeatability	0.3 nm	0.2 nm
Scan Speed	Hi, MED, LOW, MAX. 3000 nm/min	
Photometric Accuracy	≤±0.5 % T or ±0.005A@1A	
Photometric Range	0-200 % T, -0.3 - 3A, 0-9999Conc.	
Stray Light	0.05 % T@220, 340 nm	
Stability	±0.002A/h @500 nm	
Display	5 inches LCD (320*240 dots)	
Baseline Flatness	±0.002A (200-1000 nm)	
Standard Cell Holder	4-position 10 mm cell changer	
Sample compartment	Standard 10 mm path length cuvette	
Light Source	Tungsten & Deuterium lamp (Pre-aligned)	
Output	USB type A port for USB memory device (Right side)	
	USB type B port for optional computer connectivity (Back)	
	Parallel port for printer	
Power Requirement	AC 110/220V 50/60 Hz	
Dimensions (LxWxH)	491 x 365 x 180 mm	579 x 428 x 198 mm
Weight	14 kg	20 kg