

# UV/VIS Spectrophotometer

**NEW**



made  
in  
Germany

**EMCLAB Instruments GmbH**

## UV/VIS Spectrophotometer EMC-11S-V/-UV

### Features:

- Color TFT screen
  - Self-check system
  - Fast choose wavelength
  - Auto setting wavelength
  - Auto Zero and Blank
  - Sample compartment for different cell holders
  - Parallel port, printed directly
  - Inclusive EMCLAB Works Calibration Certificate
  - Inclusive PC Software EASY UV Basic (Quantitative, Kinetics, Photometry Measurement)
- Option:
- PC Software EASY UV (Quantitative, Kinetics, Spectrum Scan, Multi-Wavelength, DNA/Protein, Energy Scan)
  - IQ/OQ/PQ and FDA 21 CFR Part 11 and Audit trail



Model	EMC-11S-V	EMC-11S-UV
Wavelength Range	325-1000 nm	200-1000 nm
Spectral Bandwidth	4 nm	
Optical System	Single Beam, grating 1200 lines/mm	
Wavelength Accuracy	±2 nm	
Wavelength Repeatability	1 nm	
Photometric Accuracy	≤±0.5 % T or ±0.004A@1A	
Photometric Repeatability	≤0.2 % T	
Photometric Range	0-200 % T, -0.3 - 3A, 0-1999 Conc	
Photometric Mode	T, A, C, F	
Stray Light	0.2 % T	
Stability	±0.004A/h@500 nm	
Noise	0.003A@500 nm	
Detector	Silicone Photodiode	
Display	TFT color screen	
Central beam height	15 mm	
Standard Cell Holder	4-position cell holder 10x10 mm	
Light Source	Tungsten lamp	Tungsten & Deuterium lamp
Output	USB port & Parallel port (printer)	
Power Requirement	AC 85V~265V 50/60 Hz	
Dimensions (LxWxH)	440 x 350 x 200 mm	
Weight	8 kg	9 kg

### Scope of delivery:

Spectrophotometer EMC-11S-V/-UV, power cable, dust cover, 4 glass & 2 quartz glass cells 10x10 mm, (quartz glass only for UV), CD/USB stick (user's & software manual, software Easy UV Basic), microfiber cloth, Calibration Certificate



# UV/VIS Spectrophotometer EMC-18S-UV

## Features:

- Color TFT screen
- Self-check system
- Auto setting wavelength
- Auto Zero and Blank
- Sample compartment for different cell holders
- Save the results
- Up to 200 methods & 200 standard curves can be stored
- Parallel port, printed directly.
- Inclusive EMCLAB Works Calibration Certificate
- Inclusive PC Software EASY UV Basic (Quantitative, Kinetics, Photometry Measurement)

## Option:

- PC Software EASY UV (Quantitative, Kinetics, Spectrum Scan, Multi-Wavelength, DNA/Protein, Energy Scan)
- IQ/OQ/PQ and FDA 21 CFR Part 11 and Audit trail



Model	EMC-18S-UV
Wavelength Range	190-1100 nm
Spectral Bandwidth	2 nm
Optical System	Single Beam, grating 1200 lines/mm
Wavelength Accuracy	±0.5 nm
Wavelength Repeatability	0.2 nm
Photometric Accuracy	≤±0.5 % T or ±0.004A@1A
Photometric Repeatability	≤0.2 % T
Photometric Range	0-200 % T, -0.3 - 3A, 0-9999 Conc
Photometric Mode	T, A, C, F
Stray Light	0.05 % T @ 220/360 nm,
Stability	±0.001A/h@500 nm
Noise	0.003A@500 nm
Detector	Silicone Photodiode
Display	TFT color screen
Central beam height	15 mm
Standard Cell Holder	4-position cell holder 10x10 mm
Light Source	Tungsten & Deuterium lamp
Output	USB port & Parallel port (printer)
Power Requirement	AC 110V/220V 50/60 Hz
Dimensions (LxWxH)	490 x 380 x 220 mm
Weight	11 kg

## Scope of delivery:

Spectrophotometer EMC-18S-UV, power cable, dust cover, 4 glass & 2 quartz glass cells 10x10 mm, CD/USB stick (user's & software manual, software Easy UV Basic), microfiber cloth, Calibration Certificate



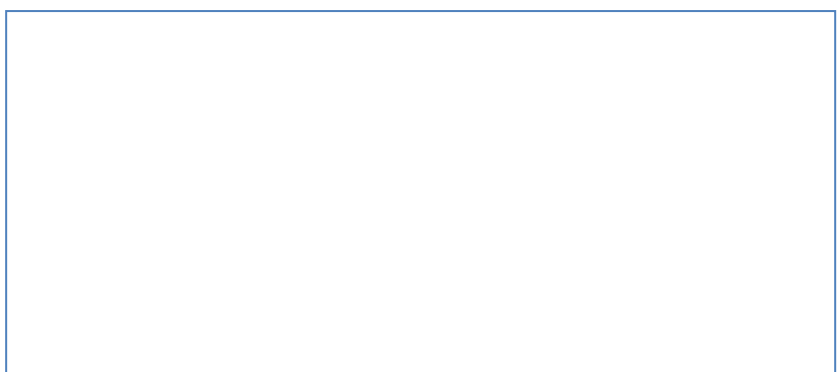
EMCLAB Spectrophotometers are tested with DAkkS (German body of accreditation) certified UV/VIS Reference Materials NIST traceable:

- Photometric Accuracy
- Wavelength Accuracy
- Spectral Resolution
- Stray Light

All EMCLAB Spectrophotometers are supplied with EMCLAB Works Calibration Certificate.



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Technical changes reserved

EMC-UV/VIS\_new\_02.2019