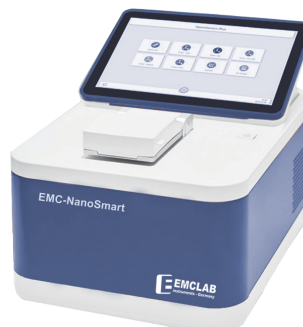# UV/VIS Spectrophotometer EMC-NanoSmart

Features:
- 8 Inch color touch screen
- High Accuracy of Results
- Split beam
- Compact and portable design
- Saves the results
- Low volume requirement
- Powerful software including multiple methods, custom methods, automatic calculation of concentration values of nucleic acids and proteins at A280

The EMC-NanoSmart features a long-lasting xenon lamp with instant startup and no preheating. It allows direct sample measurement without cuvettes, using as little as 0.5 μL while protecting samples from photolysis. Dual photodiodes and a split beam ensure high accuracy across a wide concentration range. A detachable touchscreen and powerful software enable flexible analysis and data handling.

Model	EMC-NanoSmart
Wavelength Range	190-1000 nm
Sample Volume	0.5~2 μL
Spectral Bandwith	3 nm
Optical System	Split Beam
Wavelength Accuracy	±1 nm
Wavelength Repeatability	≤0.2 nm
Absorbance Accuracy	±1%@1A@260 nm
Absorbance Range	-3~60A (10 mm equivalent)
Absorbance Repeatability	≤0.003A@260 nm
Test Range	2~3000 ng/μL (dsDNA), 0.06~90 mg/mL (BSA)
Path Length	0.5 mm
Detector	Dual Silicone Photodiode
Display	8 Inch LCD with touch screen (1280x800, capacitive touch)
System	Android
Sample Holder	0.5 mm micro test base
Light Source	Xenon flash lamp
Interface	USB (Host) x1, USB (Device) x1
Power Requirement	Input: AC 100~240V, Output: DC 24V, 50W
Dimensions (LxWxH)	285 x 210 x 210 mm
Weight	5 kg
Article No.	EMC-80093