



SP3000 Spectrophotometer



The SP3000 Spectrophotometer is a precision-engineered, single-beam instrument designed for high-accuracy quantitative and qualitative analysis in professional laboratory settings. Integrating a robust optical system with an intuitive user interface and comprehensive connectivity, the SP3000 sets a new performance standard. Furthermore, the accompanying EasyUV software unlocks advanced analytical functions—including Quantitative Analysis, Kinetics, and Wavelength Scanning—providing centralized data storage, powerful spectral evaluation, and flexible data export for seamless integration into existing Laboratory Information Management Systems (LIMS).

		SP3000 Spectrophotometer
Optical system		Single Beam
Light source		Tungsten lamp
Spectral bandwidth		4 nm
Calibration		Automatic self-calibration upon start-up
Detector		Silicon photodiode
Stray Light		$\leq 0.05\%T @ 340\text{ nm}$ (NaNO ₂)
Photometric	Range	-0.3 ~ 3 A, 0 ~ 200 %T, 0 ~ 9999.9 C
	Accuracy	$\pm 0.002\text{ A @ }0.0 \sim 0.5\text{ A}$, $\pm 0.004\text{ A @ }0.5 \sim 1\text{ A}$, $\pm 0.5\%T @ 0 \sim 100\%T$
Wavelength	Range	320 - 1100 nm
	Accuracy	$\pm 0.5\text{ nm}$
	Repeatability	$\leq 0.2\text{ nm}$
	Setting	Automatic
Blanking		Automatic blanking function
Display		5 inch TFT color touchscreen
Sample Compartment		10 mm 4-cell manual changer
Interface		RS232 serial port x1 (printer), USB-Ax1 (USB storage), USB-Bx1 (PC)
Storage		236 KB (built-in), unlimited expansion (USB storage)
Power		100 ~ 240 V AC, 50/60 Hz, 75 VA
Dimensions (W x D x H)		456 x 360 x 185 mm
Weight		10.5 kg

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