

SPECIFICATIONS

UV/Vis Spectroscopy



The new LAMBDA® 365+ is a modern high-performance UV/Vis spectrometer offering unmatched versatility, ease-of-use, and flexibility to match all your UV/Vis needs. It is a new and improved version of the successful LAMBDA 365, building on the innovative technology with several improvements such as faster scan speeds to measure reaction kinetics, ability to measure higher absorbance liquids (up to 4A), higher wavelength reproducibility, photometric repeatability, low stray light, wider sample compartment to analyze a wide range of accessories, longer lamp life, and lower maintenance. The intuitive and easy to use UVWinLab™ software is 21 CFR compliant to meet all your regulatory needs and now has an optional touchscreen to improve productivity and simplify your workflows.

Specifications	
Communication I/F	RS-232 to USB, WireTCP/IP (option), Wi-Fi (option)
Method	Double beam (Czerny-Turner)
Wavelength Range	190 ~ 1100 nm
Absorbance Range	± 4A
Detector	Silicon photodiode
Bandwidth	0.5, 1, 2, 5, 20 nm variable
Wavelength Accuracy	± 0.1 nm (656.1nm D2) ± 0.3 nm (all range)
Wavelength Reproducibility	≤0.05 nm (6 measurements at 656.1 nm, SD) ≤ 0.1 nm (all range)
Photometric Accuracy	± 0.002A (0.5 A) ± 0.003A (1 A) ± 0.005 A (at 2 A) ± 0.01A (60 mg/L PDC) ± 0.01A (430 nm, 600 mg/L PDC)

Specifications	
Photometric Repeatability	≤ 0.0001 A (at 0.5 A) ≤ 0.0001 A (at 1 A) ≤ 0.0003 A (at ≤0.001A)
Baseline Flatness	± 0.001 A
Photometric Noise	≤ 0.00005A (700nm)
Scans speed	7.5 to 12,000 nm/min
Stray Light	≤ 0.5% (198 nm KCl) ≤ 0.01% (220 nm NaI) ≤ 0.01% (340 nm, 370nm NaNO2) ≤ 1.0% (300 nm Acetone)
Source	Deuterium & Tungsten
Weight	23.8 Kg (Touch: 24.1 Kg)
Sample Compartment	168 mm (W) x 213.5 mm (D) x154 mm (H)

DOMINIQUE DUTSCHER SAS

PerkinElmer, Inc.
940 Winter Street
Waltham, MA 02451 USA
P: (800) 762-4000 or
(+1) 203-925-4602
www.perkinelmer.com

PerkinElmer®

For a complete listing of our global offices, visit www.perkinelmer.com/ContactUs

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