

UV-Visible Spectrophotometer U-2001



Hitachi has contributed over 25 years of innovation and excellence providing outstanding UV/Visible instrumentation. Our commitment to the highest standards continues with U-2001.

Features

- Exceptional reliability ensures quality results and worry-free operation.
- Superior optical design delivers unmatched signal-to-noise.
- Compact footprint provides more free bench space for your laboratory.
- Graph and data review is easy with the built-in high resolution LCD.
- Comprehensive software includes wavelength and time scan capability with easy to follow prompts.
- External printer capability provides flexible hard copy printouts.
- A full range of accessories are available to complement your application.

Specifications

Optical system	High resolution concave diffraction grating and Seya-Namioka mount
Wavelength range	190 to 1,100 nm
Spectral bandpass	2 nm(optical 1.5nm)
Stray light	0.05% or less
Wavelength accuracy	±0.3 nm
Wavelength setting reproducibility	±0.1 nm
Photometric modes	Abs, %T, Conc.,Single Beam(energy)
Photometric range	-2 to 3 Abs. 0 to 300 %T
Photometric accuracy	±0.002 Abs (0 to 0.5 Abs) ±0.004 Abs (0.5 to 1.0 Abs) (measured with NIST930D filter)
Photometric reproducibility	±0.001 Abs (0 to 0.5 Abs) ±0.002 Abs (0.5 to 1.0 Abs)
Baseline flatness	±0.002 Abs (200 to 950nm)
Baseline Stability	Within 0.0003 Abs/hr(at 500 nm) (2 hours after power-on)

Noise	0.0003 Abs or less (at 0 Abs 500 nm)
Response	Fast,Medium,Slow
Wavelength scan speed	10,100,200,400,800,1200,2400,3600 nm/min Go to WL 3600 nm/min
Light source	325-370 nm user selectable
Sample compartment	100 nm beam spacing 120 (W) x 300 (D) x 140 (H) mm
Detector	Silicon photodiode
Display	LCD(black & White)with backlight Positive or negative display available
Dimensions	500(W) x 560 (D) x 250 (H)[LCD horizontal]mm
Weight	Approx.28 kg(61 lbs)
Power source	100, 115, 220, 230, 240V AC 50/60 Hz
Power consumption	200 VA