

Cecil 1000 Series Spectrophotometers



High Quality Low Cost

When cost is a primary consideration of selection, the Series 1000 provides low cost, high specification, quality instruments for both the UV and visible ranges.

The designs offer an ideal combination of performance, quality and reliability for educational use; as is witnessed by the large number of Universities, Polytechnics and Colleges who are multiple users of the range.

Wavelength Precision

Very precise wavelength selection, with readout to 0.1nm, provide the high degree of reproducibility needed for accuracy, particularly when measuring on a sloping background.

Optical System	Littrow monochromator using 1200L/mm holographic grating; coated optics.
Optical Bandwidth	8nm
Wavelength Selection	Keyboard controlled by up-down keys
Wavelength Range	200-1000nm CE1021 325-1000nm CE1011
Wavelength Accuracy	Within 1nm
Wavelength Precision	0.1nm
Wavelength Display	Large seven segment bright LED's
Photometric Ranges	-0.3 to 3.0A, 0-200%T, 0-9999C
Photometric Accuracy	1% or 0.005A whichever is greater
Photometric Noise	Less than $\pm 0.0002A$
Straylight	Less than 0.05% at 220nm and 340nm
Absorbance Zero Stability	Better than $\pm 0.001A/Hr.$
Absorbance Zero Setting	0A and 100%T automatic by press button
Peak Seek	Automatic with baseline flattening
Filter and Lamp Selection	Automatic - coupled to wavelength
Self Test and Calibration	Automatic at switch on
Computer Interface	Bi-directional serial RS232c
Sample Compartment Dimensions	196 x 96 x 107mm
Size	480 x 340 x 205mm
Power Requirement	110-250V, 50/60Hz, 120W
Weight	16Kg CE1011; 18Kg CE1021