

M105 Spectrophotometer

This robustly built spectrophotometer combines a surprisingly high level of performance with a budget price. Wavelength is conveniently set using the rotary control and the instrument is ready for use within just a few minutes from switch-on. A membrane keyboard positioned next to the large, clear LCD display allows the operator to rapidly switch between %T and Absorbance and to set Zero Abs. The narrow 20nm bandpass is ideally matched to the wavelength range of 335 to 1000nm.

The remarkable stability and accuracy of the instrument will be welcomed by quality control and teaching laboratories. The sample compartment accepts either standard 10mm rectangular cuvettes, including disposable semi-micro cuvettes, or test-tubes, and the USB output provides a convenient link to a PC or a printer for a hard copy. A low-cost application program, which runs under Windows 10, 9x, Xp, 7, or 8, includes the facility to create calibration curves on screen.

Specifications

Display -Digital L.C.D.

Light source - Tungsten-Halogen

Monochromator - 1200 lines/mm grating

Detectors - Silicon Photodiode

Wavelength Range - 335 - 1000nm

Wavelength Accuracy - ± 2 nm

Wavelength Repeatability - ± 1 nm

Noise - < 0.001A @ 500nm 0A

Zero Drift - < 0.003A per hour after warm-up

Bandpass - 20 nm

Stray Light - <0.1%T @ 340 nm

Photometric Accuracy - +/- 1% 0-1 A

Photometric Range - 0 to 2, 0-125%T

Printer Interface - USB for printer.

Computer Interface - USB for PC control

Power Requirements - 110/120V, 220/230V, 50/60 Hz, 60VA

Dimensions - 408 x 308 x 185mm packed 645 x 535 x 370mm

Weight - 6Kg packed 9Kg

Email: sales@camspec.eu

Tel: +44 (0) 113 286 4536

www.camspec.eu