

Product Name :
Single Spectrophotometer Wavelength Range 190-1100nm

Product Code :
NLAB-EDUSCHOOLEQ45048



Description :

Single Spectrophotometer Wavelength Range 190-1100nm

Technical Specification :

A spectrophotometer is equipped with a 4-position cell holder for 10mm cells and features a large sample compartment for up to 100mm path length cells.

It is ideal for students to use in college, university, and general laboratory settings.

The expanded key panel input and the large LCD screen display allow for more room to work with, and a clear and easy reading of absorbance, transmittance, factor, and concentration levels.

The pre-aligned lamps are conveniently placed for easy replacement, while the optical parts are mounted on an aluminum foundation which provides a steady and firm base.

Its many functions include basic photometric mode, quantitative analysis, multi-wavelength tests and more.

Specification:-

Wavelength Range: 190-1100nm

Spectral Bandwidth: 4nm

Optical System: Single beam with littrow system (1200 lines/mm)

Photometric Accuracy: ± 0.003 Absorbance (0.5 ~ 1A), $\pm 0.5\%$ Transmittance (0 ~100%T)

Photometric Repeatability: ± 0.002 Absorbance (0.5 ~1A), $\pm 0.2\%$ Transmittance (0~ 100%T)

Stray Light: $\pm 0.05\%T$ (220/360nm)

Dimension: 18" x 14" x 8"

Scan Speed: Max 2000nm/minute (PC control)

Baseline Flatness: $\pm 0.002A$ (PC control)

Stability: $\pm 0.001A/h$ (500nm, 0A)

Weight: 32 lbs

Wavelength Accuracy: $\pm 0.8nm$

Display: LCD

Wavelength Repeatability: $\pm 0.3nm$

Noise: $\pm 0.1\%T/3min$ (250/500nm, 0%T); $\pm 0.3\%T/3min$ (250/500nm, 100%T)

Photometric Range: 0 ~200% Transmittance, -0.3 ~ 3 Absorbance, -9999~ 9999 Concentration

Sample Compartment: Accommodate 5-100mm pathlength cuvette

Detector: Silicon photodiode

Lamps: Tungsten lamp & deuterium lamp (pre-aligned)

Output: USB port

PC Software: Optional PC scanning software

Power Requirements: AC 90-250V, 50/60Hz

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