Product Code . JL-LE-8259

Double Beam Spectrophotometer Wavelength Range 190-1100nm

Description

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Description:-

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

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

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

The large 9.7" LCD touchscreen panel allows for more room to work with, and a clear and easy reading of absorbance, transmittance, factor, and concentration levels.

Built with an Android operating software and it also supports Wi-Fi, Bluetooth, and USB storage.

The multi-wavelength can work with up to 32 wavelengths.

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.

Specification:-

Spectral Bandwidth: 2nm

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

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

Display: 9.7" LCD touch screen display

Photometric Accuracy: ± 0.002A (0 – 0.5A), ± 0.003A (0.5 – 1A), ± 0.3%T (0 – 100%T)

Photometric Repeatability: ? 0.001A (0 – 0.5A), ? 0.002A (0.5 – 1A), ? 0.2%T (0 – 100%T)

Stray Light: ? 0.05%T (220/360nm)

Dimension: 21.5" x 18.5" x 10.3"

Weight: 44 lb

Scan Speed: High, medium, low (Max 2000nm/minute)

Wavelength Range: 190 – 1100mm

Baseline Flatness: ± 0.0015A

Stability: ± 0.001A/h (500nm, 0A)

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

Wavelength Accuracy: ± 0.3nm

Wavelength Repeatability: ? 0.1nm

Sample Compartment: Accommodate 5-100mm pathlength cuvette

Detector: Silicon photodiode

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

Keypad: 9.7" touch screen

Output: USB port, Wi-Fi, Bluetooth

PC Software: Optional PC scanning software

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