

Model :

XM-B33



Double Beam UV-Vis Spectrophotometer

FEATURES:

- USB and SD card storage supported
- USB port for data transfer
- Suspended optical system design
- Strengthened and thickened aluminum base plate
- Advanced 32-bit Cortex-M3 processor

Overview

Double Beam UV-Vis Spectrophotometer XM-B33 is capable of measuring absorbance and transmittance with a spectral bandwidth of 0.5/1/2/4/5 nm. A High-quality xenon lamp is incorporated for immediate testing. Provided with a large sample chamber that accommodates a wide range of accessories. Our spectrophotometer has a user-friendly interface with clear and accessible controls for efficient workflow management.

SPECIFICATIONS:

Model	XM-B33
Wavelength Range	190 to 1100 nm
Spectral Bandwidth	0.5/1/2/4/5 nm
Wavelength Accuracy	±0.3nm
Optical System	Double Beam
Grating	1200 lines/mm
Wavelength Repeatability	≤ 0.1nm
Photometric Accuracy	0.2%T (0 to 100%T), 0.002A (0 to 0.5A), 0.004A (0.5 to 1A)
Photometric Repeatability	≤ 0.15%T (0 to 100%T), 0.001A _d (0 to 0.5A), 0.002A (0.5 to 1A)

Photometric Range	0 to 200% T, -0.3 to 3 A, 0 to 9999 C
Stray Light	$\leq 0.03\%T$ at 220nm,360nm
Stability	+0.0005A/h at 500nm
Baseline Flatness	± 0.001 A
Noise	0.0005 A at 500 nm
Work Mode	T, A, C, E
Scanning Speed	Fast, Medium, slow
Wavelength Setting	Auto
Display	7-inch color LCD
Processor	32-bit Cortex-M3 processor
Processor frequency	120M
Processor Storage	5000 test data
Light Source	Xenon lamp
Detector	Silicon Photodiode
Output	USB/RS232
Data Formats	Excel, TXT, picture formats (CSV, qua, tet, BMP).
Data Storage	1024MB
Power Supply	AC 110V/220V, 50Hz/60Hz

Dimension	760 × 560 × 280mm
Packaging Dimension	880 × 690 × 520mm
Net Weight	28 Kg
Gross Weight	47 Kg

Applications :

Our Double Beam UV-Vis Spectrophotometer is utilized for photometric measurement, quantitative measurement, kinetics, spectrum scan, DNA/protein tests, and multi-wavelength tests.

Optional Accessories :

- Auto 8-cell holder Peltier/sipper system Reflection accessories 21 CFR-compliant software

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