MPD SCIENTIFIC

MX SERIES

Spectrophotometers

Flashing Xenon Lamp | Computer Control | GLP/GMP

Find out more at www.mpdscientific.com

Designed for Modern Laboratories

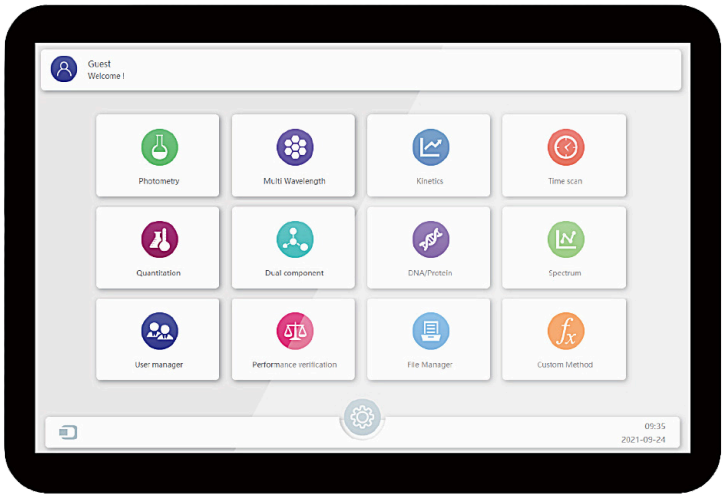
The MX Series Spectrophotometer delivers uncompromising accuracy, intuitive operation, and durable design for research, quality control, and pharmaceutical applications. Engineered with advanced optics and intelligent software, it redefines reliability and precision in UV-Vis spectroscopy.

High-Accuracy Optical System

The MX Series ensures exceptional measurement stability and accuracy by continuously comparing the sample and reference light paths. This design automatically compensates for fluctuations in light intensity, electronic drift, and lamp aging, maintaining a stable baseline and precise photometric readings over time. The result is highly reliable, reproducible data—ideal for both routine analyses and demanding research applications.

Patented Wavelength Drive System

Our newly developed wavelength driving mechanism improves accuracy, repeatability, and reduces baseline noise for enhanced data confidence.



Advanced Touchscreen Interface

An external 10.1-inch IPS color touchscreen (2GB RAM / 32GB SSD) with 178° full viewing angle, 16 million colors, and responsive 10-point capacitive touch offers a vivid display and intuitive operation.

Flexible Operation

Connect to a PC via USB for complete software control (available on PC models) and upgrade firmware directly through USB storage.

Powerful Analysis Software

Built-in applications and user-defined measurement methods meet a wide range of scientific and industrial requirements, from basic absorbance to complex kinetic studies.

Comprehensive File & System Management

Efficiently organize, trace, and manage performance data and measurement records within a secure, multi-user environment.

Versatile Applications Across Industries

The MX Series Spectrophotometers deliver precision and reliability across a wide range of scientific fields. From pharmaceutical analysis, where accuracy ensures consistency and quality control, to environmental testing, where precise measurements help monitor water, soil, and air quality, the MX Series supports critical applications with confidence. In material science, it enables detailed characterization of optical properties and material performance, while in education and research, it provides dependable, user-friendly instrumentation that fosters learning and innovation.

Models & Modes to Fit the Quantification Needs of Any Lab

MX7000UV
Double-Beam
Spectrophotometer

MX8000UV
Double-Beam
Spectrophotometer

MX9000UV
Double-Beam
Spectrophotometer

MX Series Specifications

	MX7000	MX7000	MX8000
Light Source	Flashing Xenon Lamp		
Wavelength Range	190-1100 nm		
Optical System	Double Beam		
Spectral Bandwidth	1.8 nm	1 nm	0.5/1/2/ 4/5 nm
Wavelength Accuracy	±0.3 nm, 0.1 nm @656.1 nm		
Mode	Absorbance, %T, Concentration, Scanning, Kinetics, Time scan, Multi Wavelength, DNA/Protein, Custrom		
Sample Holder	10 mm 1-cell holder		
Display	TFT Color LCD (10.1”, Touch Screen)		
Operation System	Microsoft Windows		
Output	USB/Bluetooth/WIFI/HDMI		

21 CFR Part 11 Compliant Software

Fully compliant with pharmacopoeia standards, featuring comprehensive GLP/GMP functionality for secure data traceability, audit trails, and user management.

Versatile Sample Compartment

A spacious sample chamber accommodates holders and accessories from 5 mm to 100 mm, allowing flexibility for diverse analytical needs.

Automatic Calibration

The system performs self-calibration and preheating upon start-up, ensuring optimal performance from the first measurement.

Open Integration Capability

The MX Series supports open data interface protocols, allowing smooth system integration and communication with other laboratory instruments.

Maintenance-Free Operation

The MX Series utilizes a long-life flashing xenon lamp, providing stable illumination with minimal warm-up time, low energy consumption, and virtually maintenance-free performance for extended operational life.

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