10 years experience

45000+ instruments

MAPADA

MAPADA INSTRUMENTS

Shanghai Mapada Instruments Co., Ltd.



Master™ Series Flashing Xenon Lamp

Double Beam UV/VIS Spectrophotometer

» The master who is the person having excellent achievement in the field of analytical measurement and with widespread respects. "Master Series" are customized analytical equipment for you.



10 years experience for UV/Vis Spectrophotometer design&manufacturing.
60% selling to EU, US, Japan, Russia and other 80 countries.
45000+sets stable working instrument --the guarantee of quality!



Master™ Series Flashing Xenon Lamp Double Beam UV/VIS Spectrophotometer

Double Beam Design

Double beam can monitor the sample and blank variability at the same time, and the measurement results are recorded accurately, then reduced measurement error to minimum.

Flashing Xenon Lamp

Xenon flash lamp has a very strong energy in the ultraviolet and visible region, can start testing directly without preheating. And has characters such as very low power consumption, ultra long life and no heating...can be guaranteed at least 3 years for the lamp the normal measurement. It's very easy for maintenance, the use of low cost.

Computer Control

Computer based on Windows operating system, rich data interface (USB, Bluetooth, WIFI, Ethernet, HDMI, VGA, etc.), to facilitate the user to connect the printer, memory, mouse, keyboard, display and other peripherals, and can be extended.

Color Touch Screen

10.1 inch high resolution capacitive color touch screen. Support 10 point touch. Combined with the friendly interface, a nice working experience for users.

GLP/GMP

The instrument design was completely followed by GLP/GMP. Built-in perfect user management, data storage, traceability and other functions.

Extensive Accessories

Instrument can be convenient to use 8-cell Automatic holder, Peltier/Sipper System, Reflection accessories and so forth, greatly expanding the application field of the instrument.

Master™ Series Flashing Xenon Lamp
Double Beam UV/VIS Spectrophotometer



High Quality Manufacturing Process

Continues optimized design for the bottom frame, produced by aeronautic material and one batch forming. The outer shell is produced by plastic be able to bear high pressure. It's more fancy and stable. The accuracy, reliability and durability are largely enhanced.



Flashing Xenon Lamp

The high quality flashing Xenon Lamp is from HAMAMATSU with strong power at the range of ultra-violet and optical light. It has low energy costing, long half life, low heat release, easy to maintain. It's the ideal light source for this equipment. No need to wait for pre-warming and ready to measure immediately after starting the equipment.



M7/M8/M9 Flashing Xenon Lamp
Double Beam UV/VIS Spectrophotometer

Photometry Measurement
Measure absorbance and transmission at any defined wave length.

Multi-wavelength Measurement
Measure absorbance and transmission at multiple wavelength and analyze the results by built-in methods.

Time Scanning
Determine real-time absorbance and transmission at any defined wave length.

Kinetics
Determine absorbance at any time interval and defined wavelength. It can be used to monitor real-time enzyme reaction and calculate enzyme activity according to the results. The reaction rate of samples can be calculated by setting the interval time.

Quantitation
By measuring reference samples and establish standard curve, to determine unknown samples. support built-in and customized formulation to establish standard curve.

DNA/Protein Determination
According to the sample type, chose suitable method to determine DNA, RNA and protein concentration.

Wavelength Scanning
Determine full wave length absorbance and transmission at defined wave length interval, generate the graph and search for peaks and valleys, analyze the graph by built-in methods.

Customized Methods
Users can adjust the calculation methods upon own requirement and use it in corresponding determining module.



New design UI



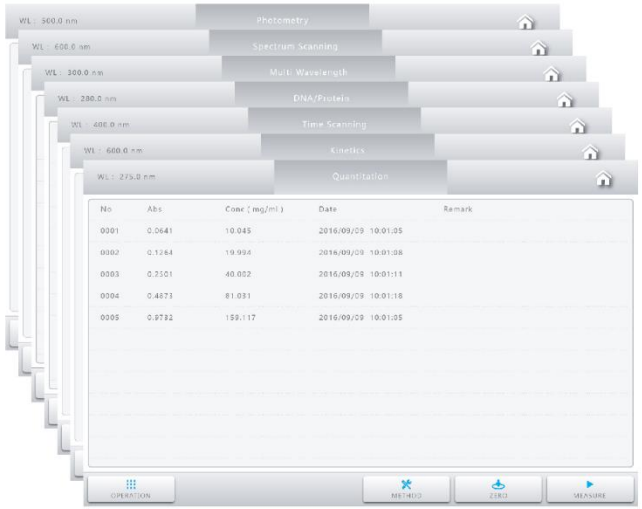
Perfect functions


DOUBLE BEAM UV VIS SPECTROPHOTOMETER
MAPADA
Photometry
Multi Wavelength
Time Scanning
Kinetics
Quantitation
DNA/Protein
Spectrum Scanning
ULP
GMP
File
Edit Method
System
MAPADA
MAPADA INSTRUMENTS


MAPADA
Photometry
Multi Wavelength
Time Scanning
Kinetics
Quantitation
DNA/Protein
Spectrum Scanning
GLP
GMP
File
Edit Method
System
MAPADA



New design UI



Perfect functions

M5/M6 Flashing Xenon Lamp

Split Double Beam UV/VIS Spectrophotometer

Photometry Measurement
Measure absorbance and transmission at any defined wavelength.

Multi-wavelength Measurement
Measure absorbance and transmission at multiple wavelength and analyze the results by built-in methods.

Time Scanning
Determine real-time absorbance and transmission at any defined wavelength.

Kinetics
Determine absorbance at any time interval and defined wavelength. It can be used to monitor real-time enzyme reaction and calculate enzyme activity according to the results. The reaction rate of samples can be calculated by setting the interval time.

Quantitation
By measuring reference samples and establish standard curve, to determine unknown samples. Support built-in and customized formulation to establish standard curve.

DNA/Protein Determination
According to the sample type, chose suitable method to determine DNA, RNA and protein concentration.

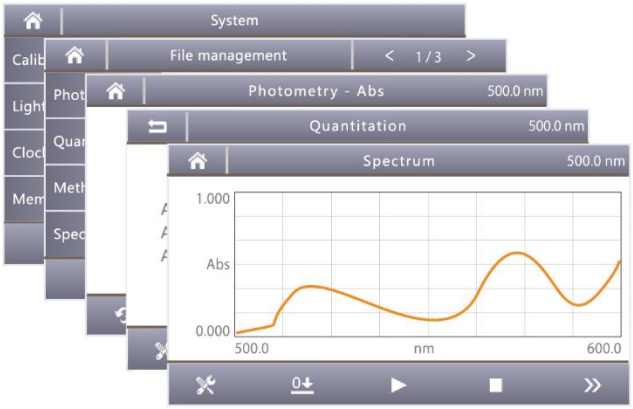
Wavelength Scanning
Determine full wave length absorbance and transmission at defined wave length interval, generate the graph and search for peaks and valleys, analyze the graph by built-in methods.

Customized Methods
Users can adjust the calculation methods upon own requirement and use it in corresponding determining module.


MAPADA



New design UI



Perfect functions

M3/M4 Flashing Xenon Lamp

Split Double Beam UV/VIS Spectrophotometer

Photometry Measurement

Measure absorbance and transmission at any defined wavelength.

Quantitation

By measuring reference samples and establish standard curve, to determine unknown samples. Support built-in and customized formulation to establish standard curve.

Wavelength Scanning

Determine full wave length absorbance and transmission at defined wavelength interval, generate the graph and search for peaks and valleys, analyze the graph by built-in methods.

Application Extension In Computer

The application can be extended by using computer operation. Such as luminosity determination, multiple wavelength measurement, quantitative analysis, dynamic determination, DNA/Protein determination and spectral measurement.

Main Specifications

Model	M3	M4	M5	M6	M7	M8	M9
Appearance							
Optical System	Split Double Beam				Double Beam		
Light Source	Flashing Xenon Lamp						
Wavelength Range	190 – 1100 nm						
Spectrum Bandwidth	4 nm	2 nm	1.8 nm	1 nm	1.8 nm	1 nm	0.5/1/2/4/5 Auto Adjustable
Spectrum Scanning	Yes						
Display	5 Inch Color Touch Screen		8 Inch Color Touch Screen		10.1 Inch Color Touch Screen		
Operation System	/		Microsoft Windows				
Output	USB, Serial Port, Bluetooth (Optional)		USB, Bluetooth, WIFI, HDMI		USB, Ethernet, HDMI, VGA, WIFI (Optional), Bluetooth (Optional)		
Language	6 Languages, Can Be Switched (English, German, French, Spanish, Portuguese, Simplified Chinese / Russian)		10 Languages, Can Be Switched (English, German, French, Spanish, Portuguese, Italian, Russian, Chinese, Japanese, Korean)				

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