MIOSTECH

UV-Vis Spectrophotometers

www.miostech.com

COMPANY PROFILE

MIOSTECH specializes in developing and manufacturing spectrophotometers used in laboratories and analytical applications. Our product line ranges from visible to ultraviolet-visible with single beam to double beam. There is also a comprehensive range of accessories as options to accommodate different analysis requirements.

Spectrophotometers are widely used in various applications such as chemistry, biology, pharmaceuticals, forensics, environment, waste water, petroleum, food and beverage, wine making and routine quality control.

We are committed to providing high quality and affordable products to our valued customers.

Visible Spectrophotometer (single beam)

Model	Wavelength Range	Bandwidth	Beam	Absorbance	Scanning	Output
V-125	320 – 1050nm	4nm	Single	-0.3 – 3A	N/A	USB & RS-232
V-140	325 – 1000nm	4nm	Single	-0.3 – 3A	N/A	USB & parallel
V-160*	320 – 1100nm	4nm	Single	-0.3 – 3A	N/A	USB & parallel

UV-Visible Spectrophotometer (single beam)

Model	Wavelength Range	Bandwidth	Beam	Absorbance	Scanning	Output
UV-120	200 – 1000nm	4nm	Single	-0.3 – 3A	N/A	USB & parallel
UV-125	198 – 1050nm	4nm	Single	-0.3 – 3A	N/A	USB & RS-232
UV-160*	190 – 1100nm	4nm	Single	-0.3 – 3A	N/A	USB & parallel
UV-340*	190 – 1100nm	2nm	Single	-0.3 – 3A	Yes	USB & parallel
UV-360*	190 – 1100nm	1.8nm	Single	-0.3 – 3A	Yes	USB & parallel
UV-360S*	190 – 1100nm	0.5,1,2,4nm	Single	-0.3 – 3A	Yes	USB & parallel

UV-Visible Spectrophotometer (double beam)

Model	Wavelength Range	Bandwidth	Beam	Absorbance	Scanning	Output
UV-620*	190 – 1100nm	1.8nm	Double	-0.3 – 3A	Yes	USB & parallel
UV-620S*	190 – 1100nm	0.5,1,2,4nm	Double	-0.3 – 3A	Yes	USB & parallel

*Can be controlled by Windows application software for full functions including scanning etc.

V-125 Visible Spectrophotometer

V-125 visible spectrophotometer is a single beam, general purpose instrument designed to meet the needs of the laboratories for analysis. It is ideal for various application fields such as, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control.

Features

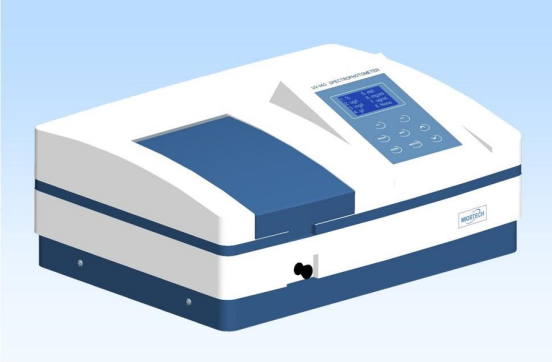
- Large LCD display (400 x 240 dots)
- Easy wavelength setting via rotary encoder
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate bigger cuvettes up to 100mm light path
- Basic Windows software expands the applications to Standard Curve and Kinetics

Specifications

Wavelength Range	320 - 1050nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Digital display, via rotary encoder
Wavelength Accuracy	± 1.5nm
Wavelength Repeatability	0.5nm
Wavelength Resolution	0.5nm
Photometric Range	-0.3 - 3.0A, 0 - 200%T, 0 - 9999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.2%T@360nm
Stability	± 0.004A/h @500nm
Display	3.2 inch TFT LCD (400 x 240 dots)
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen lamp
Data Output	USB and RS-232 port (printer)
Power	100 ~ 240VAC, 50/60Hz, 55W
Dimensions	470 x 345 x 180mm
Weight	8kg

V-140 Visible Spectrophotometer

V-140 visible spectrophotometer is a single beam, general purpose instrument designed to meet the needs of the laboratories for analysis. It is ideal for various application fields such as, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control.



Features

- Large LCD display (128 x 64 dots)
- Wavelength auto setting
- Easy to use, auto zero and blank
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate bigger cuvettes up to 100mm light path
- Basic Windows software expands the applications to Standard Curve and Kinetics (provided upon request)

Specifications

Wavelength Range	325 - 1000nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Auto setting
Wavelength Accuracy	± 2nm
Wavelength Repeatability	0.8nm
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 1999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.3%T
Stability	± 0.002A/h @500nm
Display	LCD (126 x 64 dots)
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen lamp
Data Output	USB and parallel
Power	100 - 240VAC/50Hz
Dimensions	470 x 370 x 180mm
Weight	12kg

V-160 Visible Spectrophotometer

V-160 visible spectrophotometer is a single beam, general purpose instrument designed for the analysis in laboratories. It is ideal for various application fields such as chemistry, medicine, environmental protection, food and beverage, wine industry and quality control. Optional Professional Window software can control the instrument and further expand the applications to Wavelength Scan and Multi-Wavelength.

Functions

1. Basic Mode

Absorbance, %T or Concentration can be measured. It can display and save 200 groups of data, 5 groups per screen.

2. Quantitative (Standard Curve)

Up to 9 standard solutions can be used to establish a calibration curve to measure the concentration of unknown solutions. Total 100 curves can be saved in

3. Kinetics

Real time measurement of Abs. vs. time can be used for time course scanning or reaction rate calculations.

4. System Utilities

It includes useful tools such as get dark current, lamp management and set clock & date etc.

Specifications

Wavelength Range	320 - 1100nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Auto setting
Wavelength Accuracy	± 0.5nm
Wavelength Repeatability	0.3nm
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.05%T @360nm
Stability	± 0.002A/h @500nm
Display	LCD (126 x 64 dots)
Keypad	22 membrane keypad
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen lamp
Data Output	USB and parallel
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz
Dimensions	470 x 370 x 180mm
Weight	12kg

UV-120 UV-Vis Spectrophotometer

UV-120 UV-Vis spectrophotometer is a single beam, general purpose instrument designed to meet the needs of the laboratories for analysis. It is ideal for various application fields such as, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control.

Features

- Wavelength auto setting
- large LCD display (128 x 64 dots)
- Save results, display data and standard curves
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate bigger cuvettes up to 100mm light path
- Basic Windows software expands the applications to Standard Curve and Kinetics (provided upon request)

Specifications

Wavelength Range	200 - 1000nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Auto setting
Wavelength Accuracy	± 2nm
Wavelength Repeatability	1nm
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.3%T
Stability	± 0.002A/h @500nm
Display	LCD (126 x 64 dots)
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen and Deuterium lamps
Data Output	USB and parallel
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz
Dimensions	470 x 370 x 180mm
Weight	14kg

UV-125 UV-Vis Spectrophotometer

UV-125 UV-Vis spectrophotometer is a single beam, general purpose instrument designed to meet the needs of the laboratories for analysis. It is ideal for various application fields such as, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control.

Features

- Large LCD display (400 x 240 dots)
- Easy wavelength setting via rotary encoder
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate bigger cuvettes up to 100mm light path
- Basic Windows software expands the applications to Standard Curve and Kinetics (provided upon request)

Specifications

Wavelength Range	198 - 1050nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Digital display, via rotary encoder
Wavelength Accuracy	± 1.5nm
Wavelength Repeatability	0.5nm
Photometric Range	-0.3 - 3A, 0 - 200%T, 0 - 9999C
Photometric Accuracy	± 0.5%T or ± 0.006A@1A
Stray Light	0.2%T@220, 360nm
Stability	± 0.004A/h @500nm
Display	3.2 inch TFT LCD (400 x 240 dots)
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen and Deuterium lamps
Data Output	USB and RS-232 port (printer)
Power	100 ~ 240VAC, 50/60Hz, 90W
Dimensions	470 x 345 x 180mm
Weight	9kg

UV-160 UV-Vis Spectrophotometer

UV-160 UV-Vis spectrophotometer is a single beam, general purpose instrument designed to meet the needs of the laboratories for analysis. It is ideal for various application fields such as, chemistry, medicine, environmental protection, food and beverage, wine industry and quality control. Optional Professional Window software can control the instrument and further expand the applications to Scan, Multi-Wavelength and DNA/Protein together with below functions via instrument panel.

Functions

1. Basic Mode
Absorbance, %T or Concentration can be measured. It can display and save 200 groups of data, 5 groups per screen.

2. Quantitative (Standard Curve)
Up to 9 standard solutions can be used to establish a calibration curve to measure the concentration of unknown solutions.

3. Kinetics
Real time measurement of Abs. vs. time can be used for time course scanning or reaction rate calculations.

4. System Utilities
It includes useful tools such as get dark current, lamp management and set clock & date etc.

Specifications

Wavelength Range	190 - 1100nm
Bandwidth	4nm
Optical System	Single beam, grating: 1200 lines/mm
Wavelength setting	Auto setting
Wavelength Accuracy	± 0.5nm
Wavelength Repeatability	0.3nm
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.05%T @220nm and 360nm
Stability	± 0.002A/h @500nm
Display	LCD (126 x 64 dots)
Keypad	22 membrane keypad
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen and Deuterium lamps
Data Output	USB and parallel
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz
Dimensions	470 x 370 x 180mm
Weight	14kg

UV-340 series UV-Vis Spectrophotometer

UV-340 scanning UV-Vis spectrophotometer is a single beam stand-alone model with fixed bandwidth of 2nm, providing excellent performance for measurements in the range of 190nm to 1100nm. It has a large graphic LCD screen for menu and spectrum display. The large sample compartment accommodates a wide range of cell holders and accessories including sipper and pelti-er system. Optional Advanced Windows software fully control the instrument and makes it very versatile.

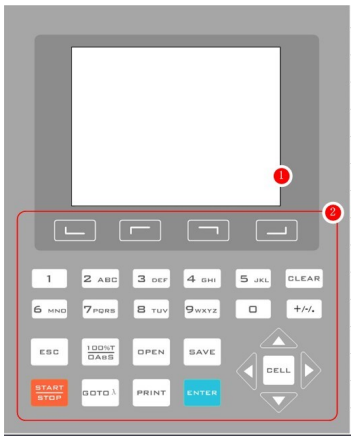
Specifications

Wavelength Range	190 - 1100nm
Bandwidth	2nm
Optical System	Single beam, grating: 1200 lines/mm
Scanning Speed	Hi, Med, Low (Max 3000nm/min)
Wavelength Accuracy	± 0.5nm
Wavelength Repeatability	0.3nm
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc
Photometric Accuracy	± 0.5%T or ± 0.003A@1A
Stray Light	0.05%T @220nm and 360nm
Stability	± 0.002A/h @500nm
Display	5” graphic LCD (320 x 240 dots)
Baseline Flatness	± 0.002A (200 - 1000nm)
Standard Holder Installed	4-position 10mm cuvette holder
Light Source	Tungsten halogen & Deuterium lamp
Data Output	USB and parallel
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz
Dimensions	480 x 360 x 160mm
Weight	14kg

UV-Vis Scanning Spectrophotometer

Features

- Large graphic LCD (320 x 240 dots) and easy operation
- Automatic wavelength scanning
- Stand-alone model with full functions available eliminating the need of a computer
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate various holders and accessories
- Optional Advanced Windows software for full computer controlled with powerful functions
- Real–time clock for date and time stamping of results



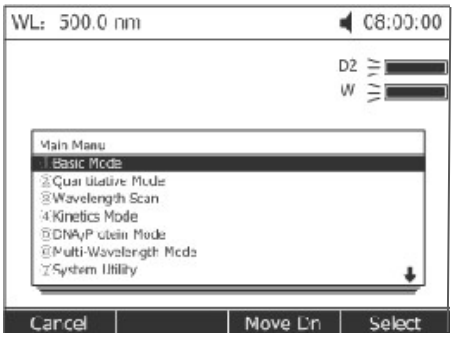
Stand-alone model has built-in software for full functions, thus eliminating the need for optional Windows analysis software via a PC

Through the control panel, user can perform all operations by pressing the keys and all the results and operation information are displayed on the LCD. Available functions include photometry, quantitative, wavelength scan, kinetics, DNA/protein, multi-wavelength and system utilities.

Functions

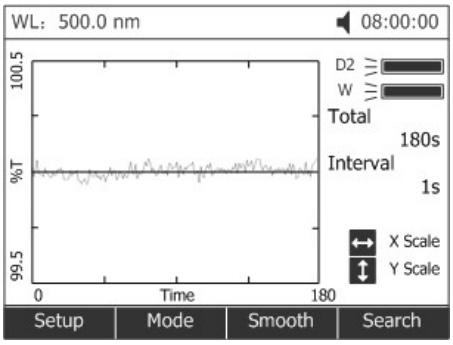
1. Main Menu and Basic Mode

There are seven items in Main Manu. In Basic Mode, Absorbance, %T or Concentration can be measured. Units such as ug/mL, mg/mL, mg/L, g/L, mM/L, M/L etc. may be selected.



2. Quantitative (Standard Curve)

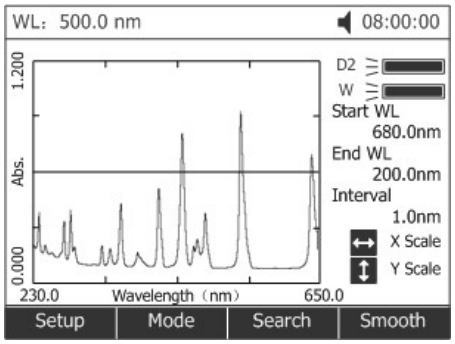
Up to 10 standard solutions can be used to establish calibration equation to measure the concentration of unknowns. There are four fitting options: linear fit, linear fit through zero, square fit and cubic fit.



UV-Vis Scanning Spectrophotometer

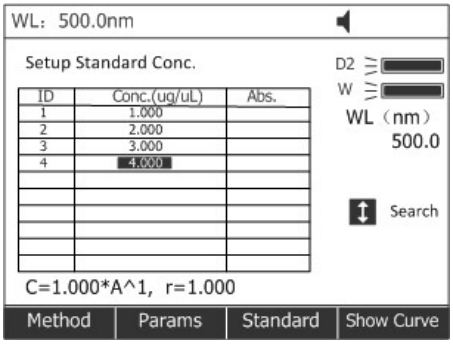
3. Wavelength Scan

The scan intervals are 0.1, 0.2, 0.5, 1, 2, 5nm, and Hi, Medium and Low scan speeds are available. Scan speeds vary from 100 to 3000 nm/min. Wavelengths are scanned from high to low so that the instrument waits at high wavelength. Post-run manipulation includes re-scaling axes, curve tracking and peak picking.



4. Kinetics

Real time measurement of Abs. vs. time can be used for time course scanning or reaction rate calculations. Wait time and measurement time up to 12 hours may be entered with time intervals of 0.5, 1, 2, 5, 10, 30 seconds and 1 min. Post-run manipulation includes re-scaling, curve tracking and partial curve selecting required for the rate calculation.



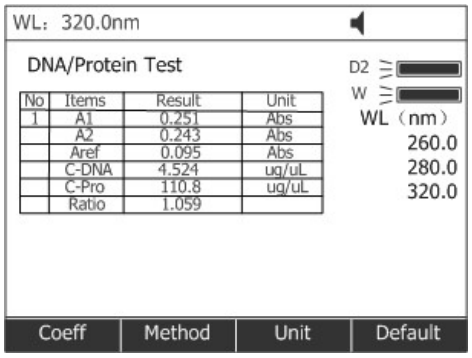
5. DNA/Protein

Concentration and DNA purity are calculated absorbance ratios 260nm/280nm or 260nm/230nm with optional subtracted absorbance at 320nm

DNA Concentration =62.9 x A_{260} – 36.0 x A_{280}

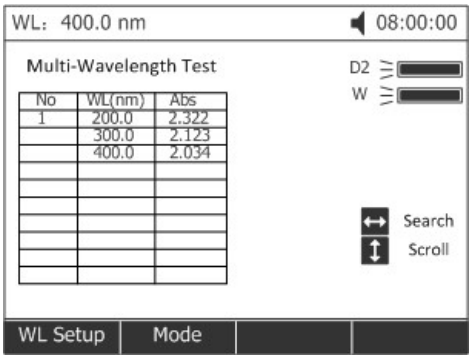
Protein Concentration =1552 x A_{260} – 757.3 x A_{280}

Other wavelengths and factors may be entered.



6. Multi-Wavelength

Up to 10 wavelengths can be entered, allowing the measurement of multiple wavelengths on a series of samples.



Order Information

Part No.	Description	Note
UV-340	UV/Vis Spectrophotometer	Stand-alone model
UV-340PC	UV/Vis Spectrophotometer	PC model (with SS-300)
SS-300	Advanced Windows software	Manual, CD, USB cable

UV-360 series UV-Vis Spectrophotometer

UV-360 series scanning UV-Vis spectrophotometers are single beam and either stand-alone or PC models with option of fixed bandwidth of 1.8nm or variable bandwidth of 0.5, 1, 2 and 4nm, providing excellent performance for measurements in the range of 190nm to 1100nm. It has a large graphic LCD screen for menu and spectrum display. The large sample compartment accommodates a wide range of cell holders and accessories including sipper and peltier system. Optional Windows analysis software makes this instrument very versatile.

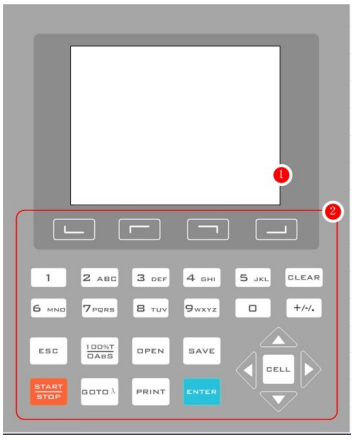
Specifications

Model	UV-360	UV-360S
Wavelength Range	190 - 1100nm	
Bandwidth	Fixed 1.8nm	Variable, 0.5/1/2/4nm
Optical System	Single beam, grating: 1200 lines/mm	
Scanning Speed	Hi, Med, Low (Max 3000nm/min)	
Wavelength Accuracy	± 0.3nm	
Wavelength Repeatability	0.2nm	
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc	
Photometric Accuracy	± 0.5%T or ± 0.003A@1A	
Stray Light	0.05%T @220nm and 360nm	
Stability	± 0.002A/h @500nm	
Display	5” graphic LCD (320 x 240 dots)	
Baseline Flatness	± 0.002A (200 - 1000nm)	
Standard Holder Installed	4-position 10mm cuvette holder	
Light Source	Tungsten halogen & Deuterium lamp	
Data Output	USB and parallel	
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz	
Dimensions	600 x 450 x 200mm	
Weight	20kg	

UV-Vis Scanning Spectrophotometer

Features

- Large graphic LCD (320 x 240 dots) and easy operation
- Automatic wavelength scanning
- Stand-alone model with full functions available eliminating the need of a computer
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate various holders and accessories
- Optional Advanced Windows software for full computer controlled with powerful function
- Real–time clock for date and time stamping of results



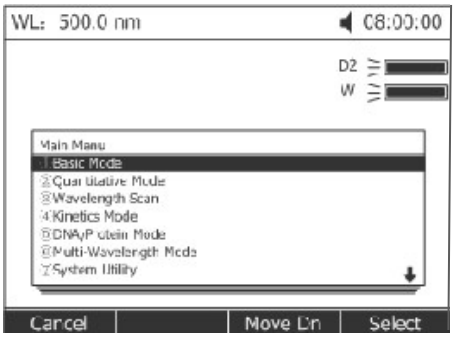
Stand-alone model has built-in software for full functions, thus eliminating the need for optional Windows analysis software via a PC

Through the control panel, user can perform all operations by pressing the keys and all the results and operation information are displayed on the LCD. Available functions include photometry, quantitative, wavelength scan, kinetics, DNA/protein, multi-wavelength and system utilities.

Functions

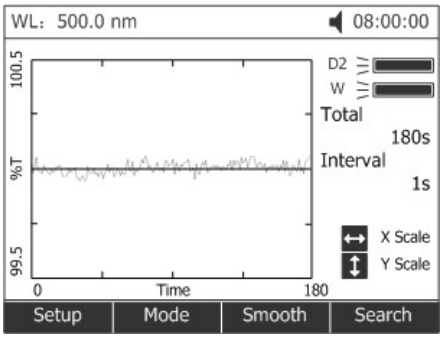
1. Main Menu and Basic Mode

There are seven items in Main Manu. In Basic Mode, Absorbance, %T or Concentration can be measured. Units such as ug/mL, mg/mL, mg/L, g/L, mM/L, M/L etc. may be selected.



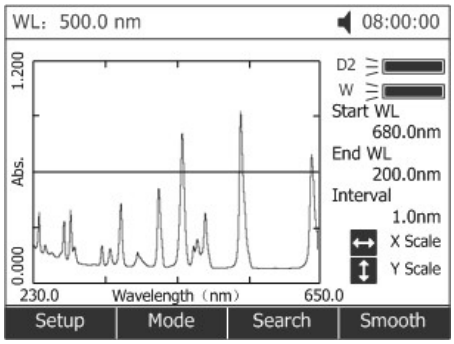
2. Quantitative (Standard Curve)

Up to 10 standard solutions can be used to establish calibration equation to measure the concentration of unknowns. There are four fitting options: linear fit, linear fit through zero, square fit and cubic fit.



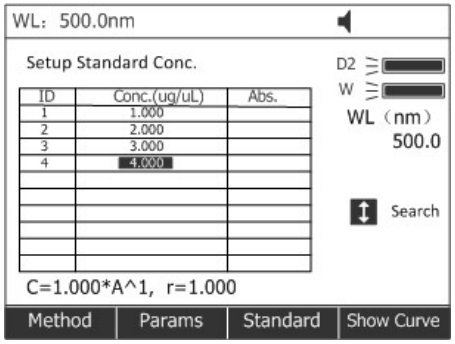
3. Wavelength Scan

The scan intervals are 0.1, 0.2, 0.5, 1, 2, 5nm, and Hi, Medium and Low scan speeds are available. Scan speeds vary from 100 to 3000 nm/min. Wavelengths are scanned from high to low so that the instrument waits at high wavelength. Post-run manipulation includes re-scaling axes, curve tracking and peak picking.



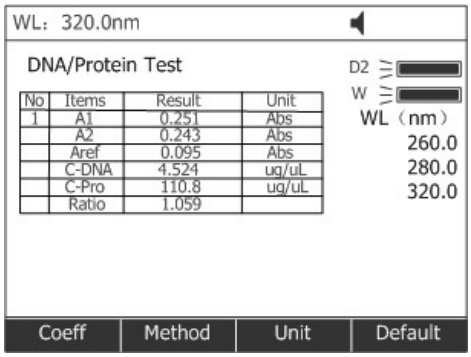
4. Kinetics

Real time measurement of Abs. vs. time can be used for time course scanning or reaction rate calculations. Wait time and measurement time up to 12 hours may be entered with time intervals of 0.5, 1, 2, 5, 10, 30 seconds and 1 min. Post-run manipulation includes re-scaling, curve tracking and partial curve selecting required for the rate calculation.



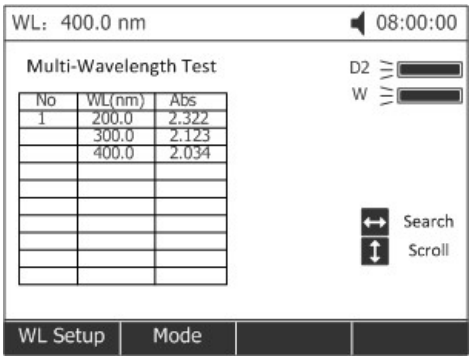
5. DNA/Protein

Concentration and DNA purity are calculated
Absorbance ratios 260nm/280nm or 260nm/230nm with optional subtracted absorbance at 320nm
DNA Concentration = 62.9 x A_{260} – 36.0 x A_{280}
Protein Concentration = 1552 x A_{260} – 757.3 x A_{280}
Other wavelengths and factors may be entered.



6. Multi-Wavelength

Up to 10 wavelengths can be entered, allowing the measurement of multiple wavelengths on a series of samples.

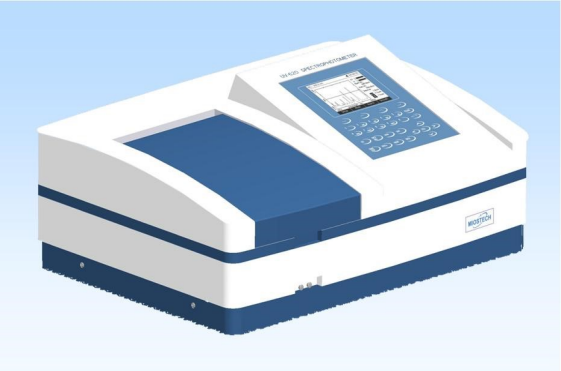


Order Information

Part No.	Description	Note
UV-360	UV-Vis Spectrophotometer	Stand-alone model
UV-360PC	UV-Vis Spectrophotometer	PC model (with SS-300)
UV-360S	UV-Vis Spectrophotometer	Stand-alone model
UV-360SPC	UV-Vis Spectrophotometer	PC model (with SS-300)
SS-300	Advanced Windows software	Manual, CD, USB cable

UV-620 series UV-Vis Spectrophotometer

UV-620 series scanning UV-Vis spectrophotometers are double beam and either stand-alone or PC models with option of fixed bandwidth of 1.8nm or variable bandwidth of 0.5, 1, 2 and 4nm, providing excellent performance for measurements in the range of 190nm to 1100nm. It has a large graphic LCD screen for menu and spectrum display. The large sample compartment accommodates a wide range of cell holders and accessories including sipper and peltier system. Optional Windows analysis software makes this instrument very versatile.



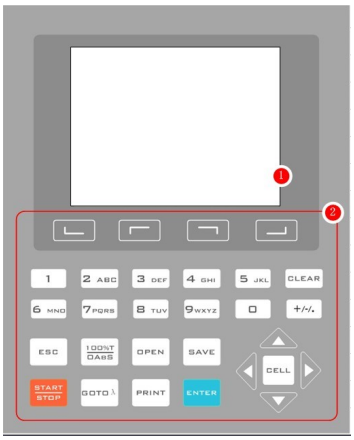
Specifications

Model	UV-620	UV-620S
Wavelength Range	190 - 1100nm	
Bandwidth	Fixed 1.8nm	Variable, 0.5/1/2/4nm
Optical System	Double beam (single monochromator) grating: 1200 lines/mm	
Scanning Speed	Hi, Med, Low (Max 3000nm/min)	
Wavelength Accuracy	± 0.3nm	
Wavelength Repeatability	0.2nm	
Photometric Range	0 - 200%T, -0.3 - 3.0A, 0 - 9999Conc	
Photometric Accuracy	± 0.3%T or ± 0.002A@1A	
Stray Light	0.05%T @220nm and 360nm	
Stability	± 0.001A/h @500nm	
Display	5” graphic LCD (320 x 240 dots)	
Baseline Flatness	± 0.001A (200 - 1000nm)	
Standard Holder Installed	Standard 10mm square cuvette holders	
Light Source	Tungsten halogen & Deuterium lamp	
Data Output	USB and parallel	
Power	220 - 240VAC/50Hz or 110 - 120VAC/60Hz	
Dimensions	600 x 450 x 200mm	
Weight	22kg	

UV-Vis Scanning Spectrophotometer

Features

- Large graphic LCD (320 x240 dots) and easy operation
- Automatic wavelength scanning
- Stand-alone model with full functions available eliminating the need of a computer
- Pre-aligned design ensures easy lamp replacement
- Large sample compartment to accommodate various holders and accessories
- Optional Advanced Windows software for full computer controlled with powerful function
- Real–time clock for date and time stamping of results



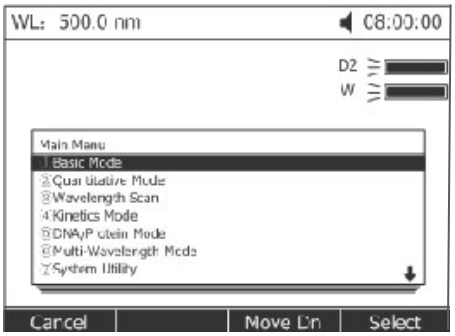
Stand-alone model has built-in software for full functions, thus eliminating the need for optional Windows application software via a PC

Through the control panel, user can perform all operations by pressing the keys and all the results and operation information are displayed on the LCD. Available functions include photometry, quantitative, wavelength scan, kinetics, DNA/protein, multi-wavelength and system utilities.

Functions

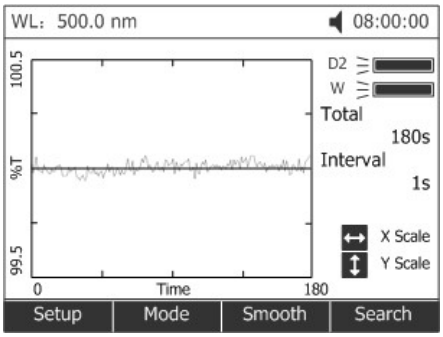
1. Main Menu and Basic Mode

There are seven items in Main Manu. In Basic Mode, Absorbance, %T or Concentration can be measured. Units such as ug/mL, mg/mL, mg/L, g/L, mM/L, M/L etc. may be selected.



2. Quantitative (Standard Curve)

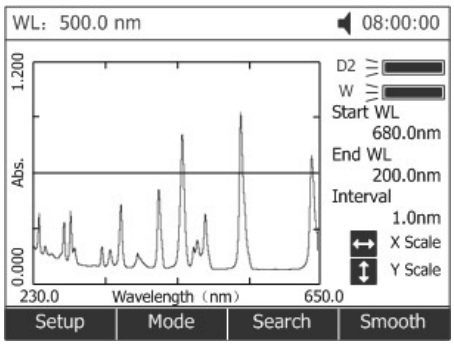
Up to 10 standard solutions can be used to establish calibration equation to measure the concentration of unknowns. There are four fitting options: linear fit, linear fit through zero, square fit and cubic fit.



UV-Vis Scanning Spectrophotometer

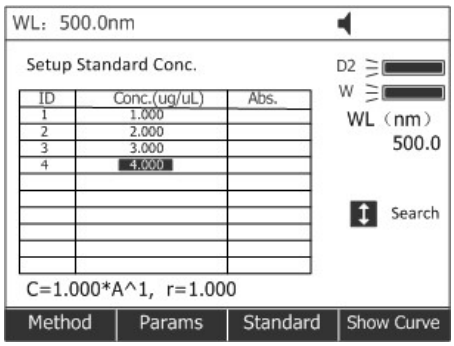
3. Wavelength Scan

The scan intervals are 0.1, 0.2, 0.5, 1, 2, 5nm, and Hi, Medium and Low scan speeds are available. Scan speeds vary from 100 to 3000 nm/min. Wavelengths are scanned from high to low so that the instrument waits at high wavelength. Post-run manipulation includes re-scaling axes, curve tracking and peak picking.



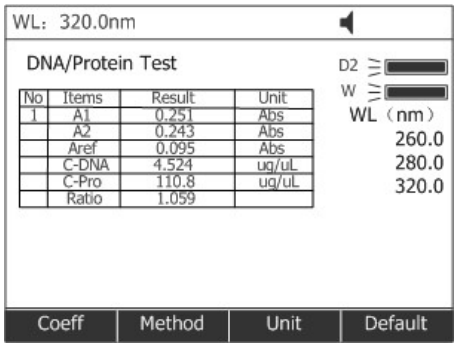
4. Kinetics

Real time measurement of Abs. vs. time can be used for time course scanning or reaction rate calculations. Wait time and measurement time up to 12 hours may be entered with time intervals of 0.5, 1, 2, 5, 10, 30 seconds and 1 min. Post-run manipulation includes re-scaling, curve tracking and partial curve selecting required for the rate calculation.



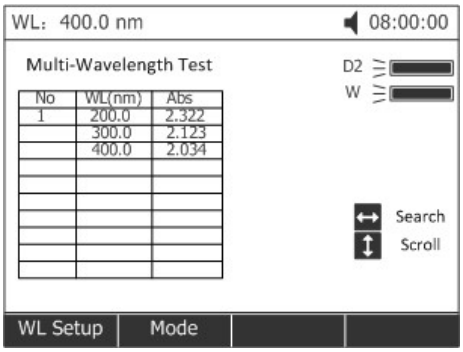
5. DNA/Protein

Concentration and DNA purity are calculated
Absorbance ratios 260nm/280nm or 260nm/230nm with optional subtracted absorbance at 320nm
DNA Concentration = 62.9 x A_{260} – 36.0 x A_{280}
Protein Concentration = 1552 x A_{260} – 757.3 x A_{280}
Other wavelengths and factors may be entered.



6. Multi-Wavelength

Up to 10 wavelengths can be entered, allowing the measurement of multiple wavelengths on a series of samples.

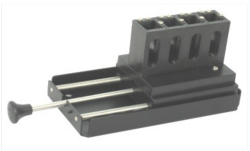
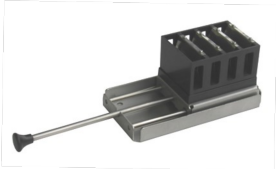
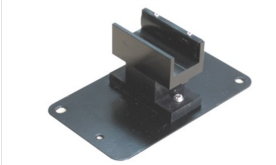
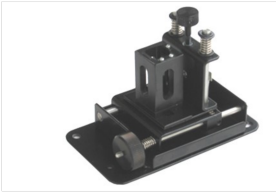


Order Information

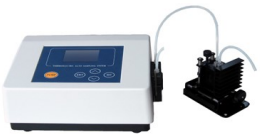
Part No.	Description	Note
UV-620	UV-Vis Spectrophotometer	Stand-alone model
UV-620PC	UV-Vis Spectrophotometer	PC model (with SS-300)
UV-620S	UV-Vis Spectrophotometer	Stand-alone model
UV-620SPC	UV-Vis Spectrophotometer	PC model (with SS-300)
SS-300	Advanced Windows software	Manual, CD, USB cable

Accessories for Spectrophotometers

There is a wide range of accessories available to satisfy the specific analysis requirements

Part No./Description	Item	Part No./Description	Item
A-10-102 4-Cell holder *Four-position cell holder for 10mm square cuvetts*		A-10-114 Test tube holder *It Includes base and V-type tube holder for 8-25 mm diameter test tubes. The maximum tube height is 100 mm.*	
A-10-104 4-Cell long path holder (50mm) *Rectangular long path cell holder for 4 cells up to 50mm pathlength.*		A-10-116 8-position auto cell changer *The changer is designed for UV -scanning series spectrophotometers.*	
A-10-106 4-Cell long path holder (100mm) *Rectangular long path cell holder for 4 cells up to 100mm pathlength.*		A-10-302G Square cuvettes 10mm, glass A-10-304G Square cuvettes 20mm, glass A-10-306G Square cuvettes 30mm, glass A-10-308G Square cuvettes 50mm, glass A-10-310G Square cuvettes 100mm, glass	
A-10-109 Cylindrical cell holder *The holder is for single cell up to 100mm pathlength (20mm dia.).*		A-10-302G Square cuvettes 10mm, glass A-10-304G Square cuvettes 20mm, glass A-10-306G Square cuvettes 30mm, glass A-10-308G Square cuvettes 50mm, glass A-10-310G Square cuvettes 100mm, glass	
A-10-110 Water-jacketed single cell holder *It includes a water-jacketed cell holder and maintains the desired temperature by circulating constant-temperature water from water bath (water bath is not included).*		A-10-322 0.1mL Micro cell, quartz A-10-324 0.2mL Micro cell, quartz A-10-326 0.5mL Micro cell, quartz	
A-10-112 Micro cell holder *Measure a sample using micro cell. The x-y adjustable mechanism is used to align cell with optical beam for optimized results.*		A-10-162 6V10W Halogen lamp (Philips) A-10-164 12V20W Halogen lamp (Philips) A-10-166 12V20W Halogen lamp (OSRAM, for UV-620 series)	

Accessories

Part No./Description	Item	Part No./Description	Item
A-10-332G Flowcell 5mm, glass A-10-334G Flowcell 10mm, glass A-10-336G Flowcell 20mm, glass A-10-338G Flowcell 30mm, glass		A-10-332Q Flowcell 5mm, quartz A-10-334Q Flowcell 10mm, quartz A-10-336Q Flowcell 20mm, quartz A-10-338Q Flowcell 30mm, quartz	
A-10-122 Peltier unit *The unit consists of a controller a thermoelectrically temperature controlled micro cell holder for continuous temperature control from 15 to 40° C.*		A-10-168 Deuterium lamp (MILAS) *Pre-aligned lamp for easy replacement.*	
A-10-124 Ambient sipper unit *The unit consists of a flow-thru controller with peristaltic pump and flow-thru front panel (tubing is included. Flow cell is not included and can be ordered separately).*		A-10-182 Micro printer (dot-matrix) *40 Characters per line with effective printing width of 48mm, centronics parallel interface.*	
A-10-126 Peltier/sipper system *The system consists of a Peltier/Sipper controller with peristaltic pump and a thermoelectrically temperature controlled micro cell holder. It can be used as flow thru only or temperature control only.*			

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