Haier Biomedical
Intelligent Protection of Life Science

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UV/Visible Spectrophotometer

HQ-6

- Sensitive Detection
- Adjustable Bandwidth
- High Stability and Reliability
- Larger Sample Chamber, Multi Functions

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Exterior View

HX-6

HX-8

HX-9

Product Advantages

Large HD Smart Touch Screen
High sensitivity and user-friendly UI for easy operation.

Automatic 8-position Cell Holder
Higher efficiency of experiment to save time.

USB Port, Fast Data Output
All test data can be exported to USB disk directly.

16mm-thick Optical Base, Rigid Structure
All optical components are fixed on a 16mm thick rigid die-cast aluminum board to promise higher stability and reliability.

Large Sample Chamber, Multi Options of Accessories
1-10cm universal cell holder, test tube holder, film holder, integrating sphere, specular reflectance accessory, peltier/sipper system, etc.

Stand-Alone System with Multi Functions
Spectrum scanning, standard curve, kinetics, multi wavelength, DNA/protein test can be operated directly on device without PC software.

Easy Printing
Available to connect with general office printer directly (HP DeskJet 1111/1112/2723).

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Optional Bluetooth Module and PC software
Bluetooth function and PC software are optional to meet different applications.

High-quality Grating with High Performance
Lower stray light, higher stability and reliability.

Specifications

Model	HX-6	HX-8	HX-9
Light Source	W Lamp & D2 Lamp		
Wavelength Range	190-1100nm		
Bandwidth	**1.8nm**	**1.8nm**	**0.5/1/2/4 nm**
Optical System	Single Beam	Double Beam	
Display	7-inch Touch Screen	10-inch Touch Screen	
Wavelength Accuracy	±0.5nm	±0.1nm at D2 656.1nm, ±0.3nm at full range	
Wavelength Repeatability	≤0.2nm	≤0.1nm	
Photometric Accuracy	±0.3%T (0-100%T); ±0.002Abs (0-0.5Abs); ±0.004Abs (0.5-1.0Abs)		
Photometric Repeatability	≤0.1%T (0-100% T); ≤0.001Abs (0-0.5Abs); ≤0.002Abs (0.5-1.0Abs)		
Stability	≤0.001A/h@250nm & 500nm, 2hrs warm-up		
Photometric Range	-0.3-3A, 0-200%T, 0-9999C		
Stray Light	≤0.05%T at 220nm & 360nm		
Control Mode	Stand-alone System or PC Software (Optional)		
Data Output	USB Port or Bluetooth (Optional)		
Power Requirement	AC 110/220V, 50/60Hz		

Standard Accessories

Item	Description	Quantity	Unit
1	Spectrophotometer	1	unit
2	1cm Glass cuvette	4	pcs
3	1cm Quartz cuvette	2	pcs
4	Power cord	1	pcs
5	User's manual	1	pcs
6	Dust cover	1	pcs

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Exterior View

HQ-6

Sensitive Detection
High-quality Photomultiplier, fast response and high sensitivity.
Especially suitable for weak radiation energy detection.

Adjustable Bandwidth
Continuous adjustable spectral bandwidth from 0.1 to 5.0nm.
0.1nm interval, suitable for various applications, especially suitable for samples with sharp absorption peaks, like penicillin sodium, penicillin potassium, etc.

High Stability and Reliability
An extra mercury lamp equipped, one-key calibration for wavelength accuracy.
High-quality deuterium lamp and tungsten lamp, longer service time and higher stability.
Premium lens and lens coating, higher repeatability.
Real-time automatic calibration of dark current.

Larger Sample Chamber, Multi Functions
Various optional accessories: auto 8-position cell holder, autosampler, thermostatic cell holder, integrating sphere and specular reflection accessory, etc.

PC Software Controlled
User-friendly UI, simple operation and clear display.

Easy Maintain and Lower Cost
Independent modular design, lower maintenance cost.
Socket type of lamps, easy to replace and no need to adjust optical path.

Specifications

Model	HQ-6
Optical System	Double Beam
Detector	Photomultiplier (PMT)
Wavelength Range	190-900nm
Bandwidth	Continuously adjustable from 0.1nm to 5nm, 0.1nm interval
Light Source	W Lamp & D2 Lamp & Mercury Lamp
Control Mode	PC Software Controlled
Wavelength Accuracy	±0.3nm
Wavelength Repeatability	≤0.1nm
Photometric Accuracy	±0.3%T
Stability	≤0.0001A/h
Stray Light	≤0.005%T at 220nm & 360nm
Power Requirements	AC110/220V, 50/60Hz

Standard Accessories

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Optional Accessories

Holder for Film (Angle Adjustable)	Reflection Accessory	Holder for Glass/Film (Angel Fixed)
Holder for Test Tube	Holder for Micro Cuvette	Holder for Water Bath
5cm Cuvette	10cm Cuvette	Micro Cuvette (100/200/500/700uL)
Thermal Micro Printer	Peltier/Sipper System	Autosampler (for Q series)

UV-SPA
Analysis Software
PC Software
(HX-6)

UV-DPA
Analysis Software
PC Software
(HX-8 HX-9)