Introduction

International advanced xenon light (Hamamatsu) source makes the instrument more stable and reliable. Three years warranty. Adopt the newest microcomputer technology and electronic control system. Optimized optical system and structure can both extend new functions and ensure the accuracy, stability and durability.

Main Features

- 7 inch TFT screen and long life, more comfortable and sensitive silicone buttons or capacitive touch screen. The instrument can show various scanning curves and charts for users to complete various tests without computers.
- Support USB storage and different data formats such as Excel, txt and image(PC software). Users can output test data to flash memory, open and edit them on computers directly without any auxiliary software.
- Advanced hardware and 32-bit Cortex_M3 processor with the clock speed 120MHz. The equipment can store 5000 pieces of data and 500 curves.
- High-efficiency holographic grating of 1200 lines/mm and low stray light.
- The equipment has long-life socket type xenon lamp which can work up to 5 years. Socket type lamp makes the replacement much easier.
- Excellent silicon photodiode can guarantee the equipment is highly sensitive and stable.
- Huge sample chamber and various accessories can meet all kinds of needs.
- Can be connected to printer directly and output test charts and data.
- Powerful PC software.
- Standard RS232,USB(A) and USB(B) port.

Specifications

MODEL	X-8200	X-8200S	X-8200T	X-8200TS
Display	7 inch TFT		7 inch TFT	
Keyboard Control	Silicone Buttons		Touch Screen	
Optical System	Double Beam			
	Holographic grating, 1200 lines/mm			
Slit Width	2nm	1nm	2nm	1nm
Wavelength Range	190 - 1100nm			
Wavelength Accuracy	±0.6nm			
Wavelength Repeatability	≤0.2nm			
Photometric Accuracy	0.3%T (0-100%T) , ±0.005A(0-0.5A) , ±0.01A(0.5-1A)			
Photometric Repeatability	≤0.2%T (0-100%T), 0.003A(0-0.5A), 0.005A (0.5-1A)			
Stray Light	≤0.1%T@220nm, 360nm			
Stability	±0.002A/h@500nm			
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C (0-9999F)			
Baseline Flatness	±0.002A (200-1000nm)			
Noise	0.002A@500nm			
Working Mode	T,A,C,E			
Wavelength Setting	Automatic			
Scanning Speed	Low, Medium, High (up to 3000nm/min)			
Detector	Solid Silicon Photodiode			
Light Source	Xenon Lamp			
Data Output	RS232 Serial, USB Drive, USB HOST			
Processor	Cortex_M3, 120Mhz			
Power Requirements	AC 110-220V 50-60Hz			
Shipping Dimensions and Weight	770*630*340mm		770*630*340mm	
	27kg		27kg	