

Spectrophotometer

IG-2100 Series



IGENE LABSERVE

Innovative • Interactive • Intuitive

FEATURES & SPECIFICATIONS

DESCRIPTION

Spectrophotometer is an instrument which measures the amount of light that a sample absorbs. The spectrophotometer works by passing a light beam through a sample to measure the light intensity of a sample. These instruments are used in the process of measuring color and used for monitoring color accuracy throughout production.

FEATURES

- ❖ 7-inch color touch screen.
- ❖ Support USB storage and different data formats such as Excel, text and image (PC software).
- ❖ Standard RS232, USB(A) and USB(B) port.
- ❖ High-efficiency holographic grating of 1200 lines/mm and ultra-low stray light.
- ❖ The equipment has long-life socket type tungsten and deuterium lamps, can switch the lamps according to test needs and record its working time automatically. Socket type lamps make 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 can realize full wavelength scanning function.



SPECIFICATIONS

Model	IG-2100V	IG-2100UV
Display	7-inch touch screen	
Wavelength Range	320 - 1100nm	190 - 1100nm
Slit Width	4nm	4nm
Wavelength Accuracy	±1nm	
Wavelength Repeatability	≤0.5nm	≤0.5nm
Photometric Range	0-200%T, -0.3 - 3A, 0-9999C(9999F)	
Photometric Accuracy	±0.5%T, 0.004Abs(0-0.5A), 0.008Abs (0.5-1A)	
Photometric Repeatability	±0.5%T, 0.004Abs(0-0.5A), 0.008Abs (0.5-1A)	
Stray light	≤0.1%T	
Stability	0.002A@ (500nm, 3min)	
Noise	≤0.15%T	
Wavelength Setting	Automatic	
Communication	USB(A) for data transfer, USB(B) PC software and Bluetooth	
Light Source	Tungsten Lamp	Tungsten/Deuterium Lamp
Functions	Photometry and quantitative measurements	
Power Requirements	220V/50-60HZ, 110V/60HZ	



Manual 4-position cell holder (standard for single beam)



Single-hole cuvette holder (Standard for Double Beam)



Automatic 8-position round cell holder



Manual 4-position 10cm cell holder



Manual 4-position film holder



Single hole film holder



Single hole long optical path holder



Tube rack



Adjustable XY micro cell holder

