



SK-SY15

UV-VISIBLE SPECTROPHOTOMETER



SKSurgitech™
by Saikang Medical

Care you precisely

SK-SY15

FEATURES AND HIGHLIGHTS

Design: the instrument is widely used in medicine and health, clinical testing, biochemistry, environmental protection and other industries, and is one of the analytical instruments reused in physical and chemical laboratories. Used for quantitative or qualitative analysis of substances.

Working principle: matter has selective absorption of light, resulting in an absorption effect when exposed to light. Different substances have different absorption spectra, and when monochromatic light passes through a solution, its energy will be weakened due to absorption, and the degree of energy attenuation is proportional to the concentration of the substance. This series of instruments is based on the principle of colorimetry to qualitatively and quantitatively analyze samples, and within a certain concentration range, it conforms to the Lambert-Beer law.

Technical parameters

Optical system	Achromatic Czerny-Turner (1200L/mm grating)	Baseline linearity	$\pm 0.004A/h @ 500nm$
Wavelength range	195-1020nm	Noise	$100\% \leq 0.3\%T$
Wavelength accuracy	$\pm 2nm$	Stability	$\pm 0.004A/h @ 500nm$
Spectral bandwidth	5nm	Way of working	T,A,C
Wavelength repeatability	1nm	Display range	0-200%T, -0.3-2A
Stray light	$\leq 0.3\%T$	Display system	4-digit LCD LED display
Photometric accuracy	0.5%T	Wavelength drive	manual
Photometric repeatability	0.2%T	Printer (interface)	Optional thermal printer (parallel port)
Photometric range	0-200%T, -0.301-2.000A	Energy (light source)	Imported tungsten lamp, imported deuterium lamp
Drift	$\leq 0.2\%T$	Light switching method	manual

Display screen

LCD liquid crystal display screen, measurement data is clear at a glance.



Sample room

Spacious sample chamber that can accommodate 5-100mm cuvettes, improving instrument utilization.



Knob

Wavelength knob, adjust the range of wavelengths.



Cuvette

The ultraviolet region (190-360nm) must use quartz cuvettes.



Features

All key components are configured with imported original parts to ensure the accuracy and precision of measurements; the automatic light gate ensures the service life of the photoelectric sensor and makes instrument testing simpler.






CONSTANT INNOVATION



Design



Research



Manufacturing



Maintenance



Service



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Company video



General catalogue