

Spectrophotometer VIS UV S53



Fundamental Principle:

The fundamental Principle the fundamental principle of spectrophotometry is based on the fact that materials of different molecular structures have different absorptive selectivity towards electromagnetic radiation. The UV visible spectrophotometry is applied to 200-1000nm spectral region of electromagnetic radiation detection.

Function Expansion:

Friendly user interface and powerful software package are offered for user's Option.

1. Perfect data and atlas processing functions can be applied to carrying out wavelength & time scanning and quantitative analysis.
2. The names and concentration of standard samples can be set and added or deleted at any time. The number of samples can reach to 20.
3. It is convenient to draw standard operation curve and its correlation coefficient. In addition, 2nd – 3rd curve fitting can be carried out for non-linear samples.
4. Easy and prompt sample measurement, accurate concentration measurement for unknown samples.

Features

- Micro- computerized automation, C-T optical patch, 2nm spectral slit width.
- Compact, exquisite and fashionable appearance.
- Very low stray light, very high UV photometric measurement accuracy.
- Built- in RS232C serial interface and parallel print port.
- Optional special software package can be combined with a PC to expand wavelength. scanning, multiple linear regression, first – third order curve fitting etc functions
- Weight less than 9kg.

Specifications:

Wavelength range / accuracy:	200-1000nm / +/- 0,5nm
Wavelength repeatability:	0,5nm
Spectral slit width:	4,0nm
Photometric range:	0,0-199.9%T-0,3-2.999A
Transmittance accuracy / repeatability:	+/- 0,5%T / ≤ 0,3%T
Start radiant energy:	≤ 0,2%T (220nmNaI)

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