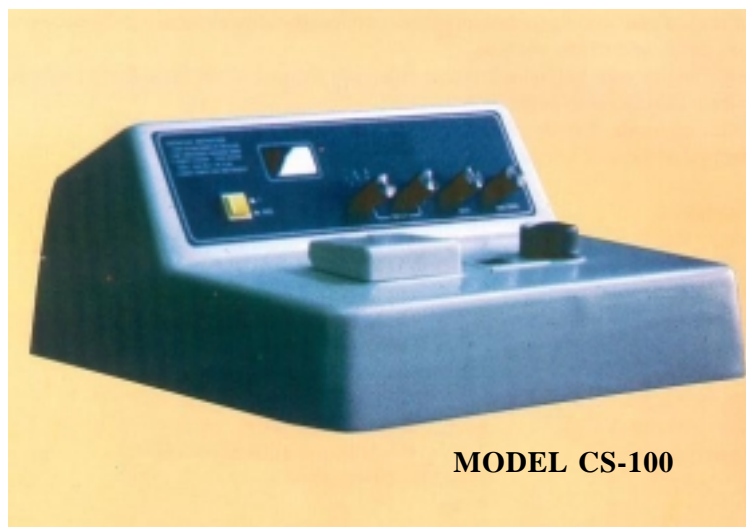


The CS Series Spectrophotometer



CS-100 spectrophotometer is designed for the purpose of education, and also for the general analysis in various laboratories. The main features are as follows:

- The instrument has variable wavelength and two scales: transmittance and absorbency.
- Using universal test tubes to make measure directly.
- Handy in shade and easy in operation.
- The 12nm spectral slit width provides the sensitivity required for almost any application.
- One solid-state silicon detector covers entire wavelength range, eliminating the need to change detectors between different analysis.
- It is easy to replace the unit of instrument specially the Unit of the Pre-adjusted light source, and make it convenient to maintain.
- Free adjusting for filter exchange.
- The grating and toroidal mirrors are selected in optical system.

Model	CS-100
Wavelength Range	340 ~ 950nm
Spectral Slit Width	12nm
Wavelength Accuracy	± 3nm
Photometric Linearity	± 2% T (Test tube), ± 0.5% T (Cuvette)
Stray Radiant Energy	Less than 0.5% T (NiSO ₄)
Photometric Noise Level	Less than 0.5% T
Photometric Range	0.0 ~ 199.9% T, -0.000 ~ 1.999A
Display	3 1/2 digit (LED)
Power requirement	110/220V ± 10% A.C.
Sample Holder	1cm rectangular cell, F12 test tube,
Measurements	37 x 32 x 19.5cm
Weight	6.5kg

The CS Series Spectrophotometer



MODEL CS-200PC

CS-200PC is a new generation intelligent spectrophotometer with build-in micro-computer. They are most suitable for the applications in schools, colleges and universities for quantitative analysis on physics, chemistry, biology etc. The main features are as follows :

- Build-in micro-computer, scientific programming, make the instrument possess with excellent data processing and control functions.
- Build-in RS232C standard interface enables instrument compatible with any kind of PC, the software package is adopted to enhance the functions of instrument.
- Keyboard output is simple and clear, can conveniently achieve auto-adjusting 0%T, 100%T and errorless T/A transformation. Factor setting and concentration setting are all provided together with concentration direct readout.
- Equipped with 24-column printer, match with parallel port printing output.

Model	CS-200PC
Wavelength Range	340 ~ 1000nm
Spectral Slit Width	6nm
Wavelength Accuracy	± 2nm
Photometric Linearity	± 0.5% T (NBS 930D)
Stray Radiant Energy	Less than 0.2% T (NaNO ₂)
Photometric Noise Level	Less than 0.5% T
Photometric Range	0.0 ~ 199.9% T, -0.3 ~ 2.999A, 1 ~ 9999F, 0 ~ 9999C
Display	4 digit (LED)
Accessory Output	RS232C output, parallel printer output
Power requirement	110/220V ± 10% A.C.
Sample Holder	1cm rectangular cell, 4 position cell holder
Measurements	37 x 32 x 19cm
Weight	7kg

CS-500 UV Spectrophotometer



MODEL CS-500

CS-500 UV Spectrophotometer is a compact and easy to operate instrument. It can be applied in measurement of transmittance, absorbance and direct concentration readout of transparent material. They have been versatily employed in school, college and university for qualitative and quantitative analysis on chemistry, biology, biochemistry etc. The main features are as follows :

- 4 digit LED display
- Aspherical light source optics, Curny-terner configuration diffraction grating mono-chromator.
- Spacious sample compartment, 4-position cell rack, adaptable for 1-5cm optical path rectangular cells.
- Auto-zero, auto 100%T.
- Provided with Concentration Factor Setting or Concentration Direct Readout Functions.
- With RS232 serial functions.

Model	CS-500
Wavelength Range	200 ~ 400nm
Spectral Slit Width	2nm
Wavelength Accuracy	± 2nm
Wavelength Repeatability	0.5nm
Photometric Linearity	± 0.5% T
Stray Radiant Energy	Less than 0.2% T (220nmNaI)
Photometric Noise Level	Less than 0.5% T
Photometric Range	0.0 ~ 199.9% T, -0.3 ~ 2.999A
Transmittance Repeatability	0.3% T
Display	4 digit (LED)
Accessory Output	RS232C Serial output
Power requirement	110/220V ± 10% A.C.
Sample Holder	rectangular cells 1cm, 2cm, 3cm, 5cm cell rack
Measurements	37 x 32 x 19cm
Weight	6.5kg