

# *The CS Series Spectrophotometer*

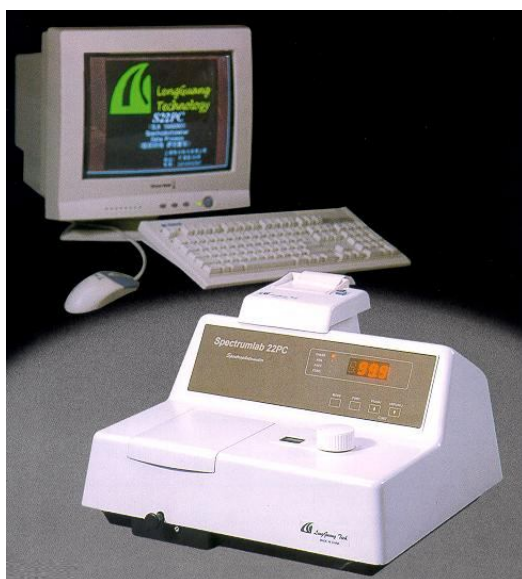


**CS-100** spectrophotometer is designed for the purpose of education, and also for the general analysis in various laboratories. The main features are as follows:

- 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 mirrors are selected in optical system.

<b>Model</b>	<b>CS-100</b>
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 <sub>4</sub> )
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.

<b>Model</b>	<b>CS-200PC</b>
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 <sub>2</sub> )
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	1 cm rectangular cell, 4 position cell holder
Measurements	37 x 32 x 19cm
Weight	7kg