

VISIBLE SPECTROPHOTOMETER MICROPROCESSOR (LIM-105)

APPLICATION :

The **spectrophotometer** is an instrument which measures the amount of light of a specified wavelength which passes through a medium. According to Beer's law, the amount of light absorbed by a medium is proportional to the concentration of the absorbing material or solute present.



FEATURES :

- The Monochromator with a holographic flashing grating is used.
- It has the advantage of high wavelength precision, good monochromaticity and low stray light.
- A sample compartment for 5mm –50mm cell.
- Automatic zero and full scale adjustment.
- Direct concentration read-out and concentration factor setting function.
- Equipped with RS-232 port. Printer can be connected.

TECHNICAL SPECIFICATIONS :

MODEL : LIM-105	
Range	325nm to 1000nm
Resolution	±0.5% T
Wavelength Accuracy	< 2nm
Wavelength Repeatability	< 1nm
Transmittance Repeatability	< 0.2%
Spectrum Bandwidth	5nm
Stray Light	< 0.5% (at 360nm, NaNO ₂)
Cell Holder	10nm
Detector	Silicon Photodiode
Printer Interface	Available (RS-232)
Power	230V AC, 50Hz

Models, Features and Specifications subject to change without notice.