

## Spectrophotometer (Double Beam)

3375

### Advantages

- Newly Designed Excellent Optical System
- 320\*240 LCD Display
- High-Performance
- Automatic Control Systems
- Printer Attachment Facility
- PC Connectivity through USB



1 Year  
Warranty

SPECTROPHOTOMETER (DOUBLE BEAM) is a solid state microprocessor based instrument designed for quick and accurate spectrophotometric analysis of any concentration. It operates at a wavelength range of 190 nm to 1100 nm. The use of diffraction grating in the monochromator produces a linear spectrum. The grating having very high resolution of 1200 lines/mm ensures a narrow bandwidth.

The instrument is equipped with 5 Inches 320 x 240 dots graphical lcd the which makes the results easy to read. User can see the test curves on the graphical lcd screen. The system has soft touch numeric keys with complete numeric key that provides a convenient interface for entering numeric values.

The instrument output is available in terms of % Transmission (%T), Absorbance (Abs.), & Concentration (Conc.).The instrument is suitable for clinical lab applications, pharmaceutical and biochemica, as well as routing applications such as quantitative analysis, kinetics, wavelength scan, multi-wavelength and DNA/Protein analysis. The instrument has sample storage memory and printer output port for printing of data with any dot matrix printer. The PC can be connected using the USB Interface. Provision for 8 position auto cell changer with 10 mm path-length cuvette is provided.

The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.



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### Technical Data

<b>MODEL</b>	3375
<b>WAVELENGTH RANGE</b>	190~1100nm
<b>SPECTRAL BANDWIDTH</b>	2nm
<b>WAVELENGTH ACCURACY</b>	±0.1 nm (656.1nm D2); ±0.3nm (full wavelength range)
<b>WAVELENGTH REPEATABILITY</b>	±0.1 nm
<b>PHOTOMETRIC ACCURACY</b>	±0.3%T
<b>PHOTOMETRIC RANGE</b>	-0.4A-4A
<b>STRAY LIGHT</b>	± 0.05%T
<b>STABILITY</b>	± 0.001A/h
<b>BASELINE FLATNESS</b>	± 0.001A
<b>DISPLAY</b>	320*240 LCD
<b>PRINTER</b>	Optional
<b>WAVELENGTH SETTING METHOD</b>	Automatically
<b>DETECTOR</b>	Silicon Photovoltaic
<b>DRIFT</b>	± 0.0004 Abs/h
<b>LIGHT SOURCE</b>	Imported long-life tungsten lamp and Deuterium Lamp,
<b>DATA OUTPUT</b>	USB Export
<b>POWER</b>	AC220/50Hz or AC 110/60Hz
<b>WEIGHT</b>	28 Kg. (Approx.)

### Product Range

Semi Auto Analyser, Double Beam UV/VIS Spectrophotometer, Single Beam UV/VIS Spectrophotometer, Flame Photometer, Haemoglobin Meter, Photo Colorimeter, pH Meter, Conductivity Meter, TDS Meter, DO Meter, Salinity Meter, Turbidity Meter, Nephelometer, Colony Counter, Karl Fischer Moisture Titrator, Fluorometer, Dissolution Test Apparatus, Disintegration Test Apparatus, Friability Apparatus, Melting Point Apparatus, Bulk Density Apparatus, Telethermometer, Temperature Indicator, Water & Soil Analysis Kit, Portable pH Meter, Portable Conductivity Meter, Portable TDS Meter, Portable DO Meter, Student Microscope, Binocular Microscope, Medical Microscope, Co-Axial Microscope.