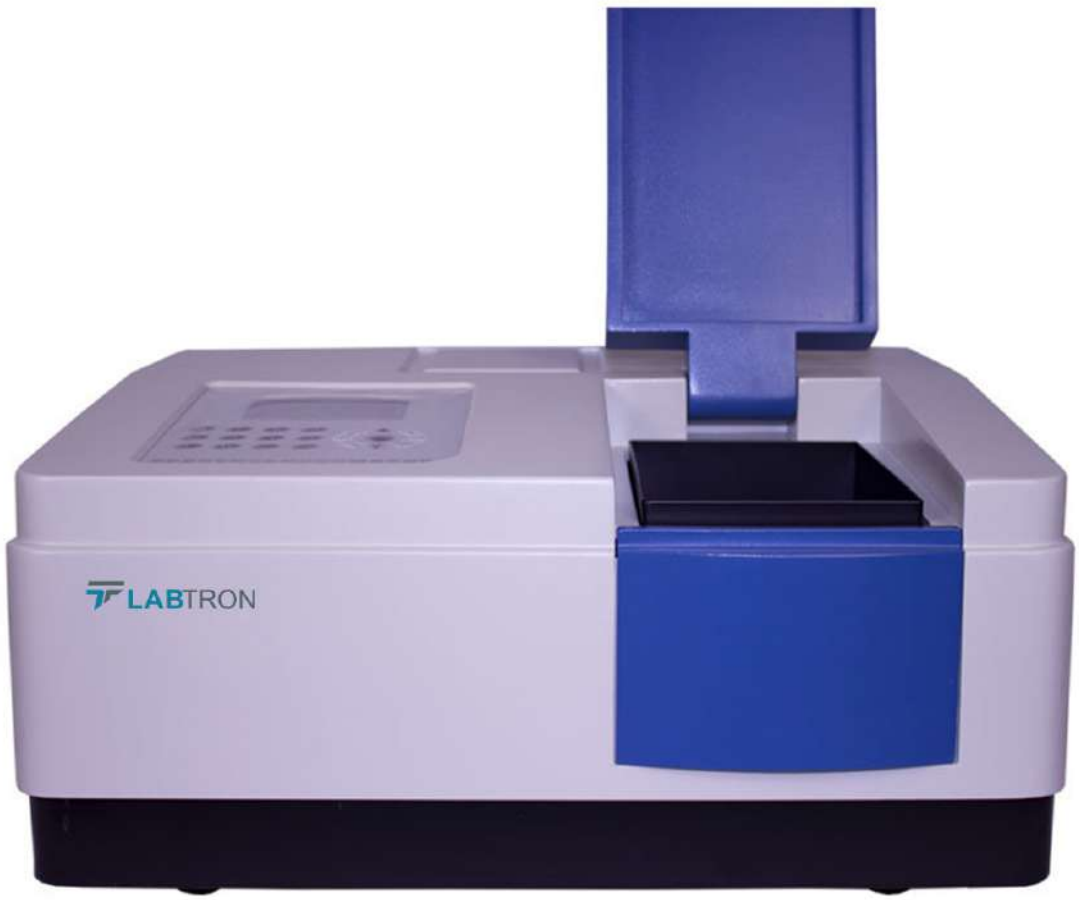
LABTRON



Double Beam UV-Visible Spectrophotometer

LUS-B14

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DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER LUS-B14

Double Beam UV-Visible Spectrophotometer LUS-B14 is a high sensitive double beam spectrophotometer with a wavelength of 190 to 1100 nm for absorbance spectra of chemical and biochemical compounds. Equipped with a bandwidth of 1.8 nm for peak resolution, it works on detection of light intensity between reference and test sample. The highly stable optics and silicon photodiode detector measures the sample and reference simultaneously optimizing the measurement accuracy

FEATURES

- LCD display for visual optimization and access to a range of functions
- Wavelength (190 to 1100 nm)
- Spectral Bandwidth (1.8 nm)
- Optical system – 1200 lines/mm gratings
- Silicon photo detector
- Automatic lamp switching
- Continuous testing and storage of 200 sets of data
- Quantitation using calibration curves
- Dual lamp system (Deuterium and Tungsten) for higher accuracy
- Large sample chamber for accommodation for 5 to 100 mm capacity cuvettes
- Data export – can be connected to computer and printer

APPLICATIONS

Used for quality control, general research, pharmaceutical, biochemical and clinical laboratory

SPECIFICATIONS

Model No.	LUS-B14
Wavelength range	190 ~ 1100 nm
Spectral bandwidth	1.8 nm
Wavelength accuracy	± 0.3 nm
Wavelength repeatability	≤ 0.1 nm
Transmittance accuracy	≤ 0.3 % T
Transmittance repeatability	≤ 0.2 % T
Wavelength setting	Automatic
Display mode	128 x 64 mm LCD screen
Light Source	Tungsten and Deuterium lamp
Detector	Silicon photo diode
Work mode	T,A,C
Keyboard	Membrane digital
Stray light	≤ 0.05 % T at 220 nm and 360 nm
Data output	USB export
Power	AC 220 / 50 Hz or AC 110 / 60 Hz
Weight	14 kg