

DOUBLE BEAM

UV/VIS Spectrophotometer

Ubi-800

SPECIFICATIONS

Model	Ubi-800
Wavelength Range	190-1100nm
The spectral bandwidth	0.5, 1.0, 2.0, 4.0 nm
Wavelength Accuracy	±0.1nm(D2 656.1nm), ±0.3 nm full range
Stray light	≤0.01%T @ 220 nm, 360 nm
Wavelength Repeatability	≤0.1nm
Photometric Accuracy	±0.2%T(0-100%T) ±0.001Abs(0-0.5Abs) ±0.004Abs(0.5-1.0Abs)
Photometric Repeatability	≤0.1%T(0-100% T) 0.001Abs(0-0.5Abs) 0.002Abs(0.5-1.0Abs)
Stability	≤0.0005A/h@250nm, 500nm, 2hr warm-up
Photometric Range	0-200%T, -0.3-3.0A, 0-9999C
Baseline flatness	±0.001A
Display	Digital HD 10-inch touch screen
Output	USB port
Light source	Tungsten Lamp & Deuterium Lamp
Power Requirements	AC 220V/50Hz
Detector	Silicon Photodiode
Dimension	630*430*210mm
Weight	28kg

DOUBLE BEAM

UV/VIS Spectrophotometer

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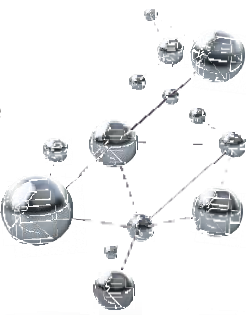
Ubi-800 is a UV/Vis spectrophotometer with a double beam structure equipped with a 10-inch touch screen. It has low stray light and high-resolution optical system for stable performance, accurate measurement, and powerful functions. It has strengths in various fields such as scientific research and quality control.



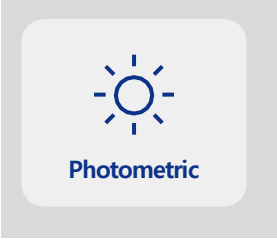
AUTOMATIC 8 CELL HOLDER
INCLUDED

FEATURE

- **High sensitivity and outstanding stability** by 10-inch color touch screen
- Double beam UV/VIS product enables **more accurate and faster sample measurement**
- On-board automatic 8-cell holder enables **large volume of automatic sample measurement**
- **More reliable results through optical design** that automatically eliminates errors caused by light source and sample changes
- Simple data reading and writing
- Measurement data can be stored in **USB memory** using the **USB port**
- More accurate analysis through **automatic self-inspection**
- Lamp monitoring system: **real-time lamp monitoring** by switching between tungsten and deuterium lamps with one touch
- Easy replacement and adjustment, **reduced maintenance cost** by using long-life socket-type lamp



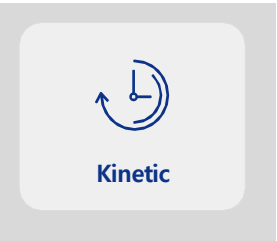
APPLICATION



Measurement of absorbance (Abs) and transmittance (%T) energy of a sample at a specific wavelength



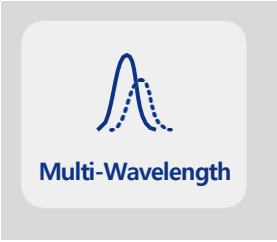
Sample concentration can be measured based on the standard curve



Measure changes in absorbance (Abs) or transmittance (%T) over time



Measure the change in absorbance (Abs) or transmittance (%T) within a specified wavelength interval and interval



Measure multiple wavelengths at once



Micro Volume Cell holder is required

SOFTWARE FOR Ubi-800

All applications of Ubi-800 can be used easily and scalable on PC.



ACCESSORIES

Excellent expandability with accessories suitable for research environments in various fields



Micro Volume cell holder

Used when the sample is less than 500ul



Film holder

Measure solid-state samples that can transmit light, such as optical film or slide glass



Test tube holder

Compatible with all diameter test tubes



Peltier system - cell holder

Use 50mm cuvette to measure while controlling the temperature from 15°C to 65°C



Reflectance attachment

Flat slide glass reflectance measurement

Universal single-position cell holder

Measurement using a 50mm long path length cuvette