

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

**KESDAQ**  
— LISTED COMPANY

DOUBLE BEAM

UV/VIS Spectrophotometer

# Ubi-800



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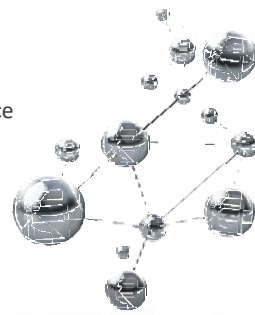
Ubi-800 is a UV/Vis spectrophotometer with a double beam structure equipped with a 10-inch touch screen. It has low stray light and high-resolution optical system for stable performance, accurate measurement, and powerful functions. It has strengths in various fields such as scientific research and quality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



AUTOMATIC 8 CELL HOLDER  
INCLUDED

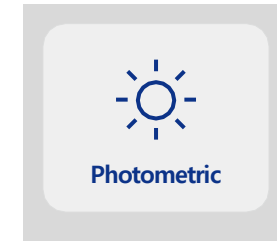
## FEATURE

- 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



We supply only excellent products at reasonable prices

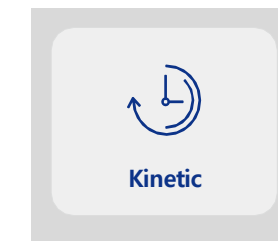
## APPLICATION



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



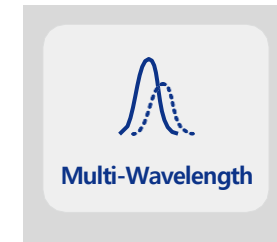
**Quantitative**  
Sample concentration can be measured based on the standard curve



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



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



**Multi-Wavelength**  
Measure multiple wavelengths at once



**DNA / Protein**  
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