

## UV-VIS Spectrophotometer

## ATE-X-8

### Features:

- Build-in 10 inch Touch Screen
- Automatic two-dimensional barcode reading system is used for all cell and reagent tests.
- Many measure modes of photometric measurement, quantitative measurement, kinetic analysis, wavelength, multi-wavelength, DNA, Protein.
- Reliable and stable optical components with thick 16mm aluminum base resistant to vibration.
- Many measure attachments optional to switch
- Storage data, export data by USB disk, and connect to printer via bluetooth. Power on to auto validation and repair shift and positioning function.

### Description:

Dual-Beam UV-Vis Spectrophotometer is designed with 10 inch touch screen provide intuitive spectrum information. It provides many measure modes of wavelength, multiple wavelength, DNA, protein, kinetic analysis, photometric measure, quantitative measure.

This model can be widely applied to water, waste water analysis, traditional chemistry, Life science, microbiology, food and agriculture, material science, optical components, pharmaceutical research, petrochemistry, cosmetic industry, quality control.



## 1. Technical specification

Items	Description
Optical System	Dual Beam
Wavelength Range	190-1100nm
Spectral Bandwidth	0.5nm, 1 nm, 2.0 nm, 4.0 nm or 5.0 nm
Wavelength Accuracy	±0.1 nm
Wavelength Repeatability	≤0.1 nm
Stray light	≤0.03% (220 nm NaI, 340 nm NaNO <sub>2</sub> )
Wavelength Resolution	1nm
Wavelength Selection	Automatic based on method selection from preprogramed
Wavelength Repeatability	≤0.1nm
Photometric Accuracy	±0.2%T (0-100%T)
	±0.002Abs(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	± 0.001A/h@500nm
Wavelength Calibration	Automatic
Baseline flatness	± 0.001A
Noise	±0.0004A
Screen	10 inch optional
Interface	Bluetooth, USB, WIFI optional
Light source	Tungsten Lamp & Deuterium Lamp
Operating Temperature	10-35 °C
Power Requirements	50/60 Hz;-200- 240 V
Detector	Silicon Photodiode
Dimension	480*380*180mm
Weight	20KG