

## Spectrophotometer Double Beam Fully Optional and Fully Automatic (UV-VIS-NIR)

- Wide Wavelength Range: 185 – 1200 nm
- Touch Screen (Digital LED Display)
- Automatic 8 Cell Changer for Acceleration and Accuracy in the Analysis Process
- Customization Feature
- User Friendly Software
- Upgradable Software
- Fully Automatic and Fast Calibration
- Reading Full Wavelengths Range Simultaneously (in less than One Second)
- Defining at least 20 Different Users and Different Passwords

Provide Reagent and Test Methods  
2 Years Guarantee  
15 Years Warranty

### Applications

- Chemistry, Biochemistry
- Nano
- Oil, Gas and Petrochemical Industries
- Water and Wastewater
- Medicine, Pharmaceutical
- Analysis of DNA, RNA Parameters
- Agriculture
- Life Science
- Food Industries ...



# OPAL

# Double Beam



Optical Specifications	Description
Light Source	Deuterium Tungsten - Halogen
Wavelength Range	185 - 1200 nm
Wavelength Accuracy	± 0.1 nm
Wavelength Repeatability	< 0.1 nm
Wavelength Resolution	.01 nm
Stray Light	<0.01%
Photometric Range	Absorbance: -4 to 4Abs
	Transmittance: 0 to 400%
Photometric Accuracy	±0.004Abs(0.5Abs)
	±0.006Abs(1.0Abs)
	±0.008Abs(2.0Abs)
Photometric Repeatability	Less than ±0.001Abs at 0.5Abs
	Less than ±0.0015Abs at 1.0Abs
	Less than ±0.002Abs at 2.0Abs
Communication	USB 3
Cell Holder	Automatic 8 Cell Changer
Scan Time	100µs - 1000 ms
Signal /Noise	700:1
Display	Digital LED Display (Touch Screen)
Detector	CCD 3648 Channels
Software	Windows XP ,7,8,10
Dimensions	200* 300* 500 mm
Weight	20 kg
Power Requirement	220 V AC 50/60 Hz
Printer	Thermal
Environmental Requirements	Temperature: 15c to 35c
	Humidity: 30% to 80%