



OPAL Double Beam

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

Wide Wavelength Range: 185–1200 nm

Touch Screen (Digital LED Display)

Automatic 8 Cells Changer for Acceleration and Accuracy in the Analysis Process

Customization Feature

User Friendly Software

Upgradable Software

Fast and Fully Automatic Calibration

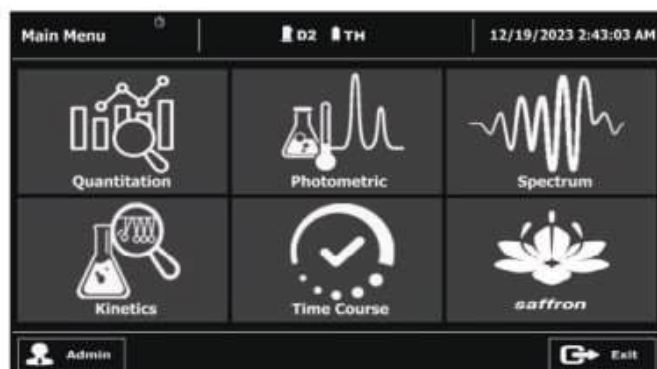
Reading Full Wavelengths Range Simultaneously (in less than One Second)

Defining at least 20 Different Users and Different Passwords

Provide Reagents and Test Methods

3 Years Guarantee

15 Years Warranty



Applications

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





Optical Specifications

Light Source

Wavelength Range

Wavelength Accuracy

Wavelength Repeatability

Wavelength Resolution

Stray Light

Photometric Range

Photometric Accuracy

Photometric Repeatability

Communication

Cell Holder

Scan Time

Signal / noise

Display

Detector

Software

Dimension

Weight

Power Requirement

Printer

Environmental Requirements

Description

Deuterium Tungsten - Halogen

185 – 1200 nm

±0.1 nm

<0.1 nm

0.01 nm

<0.01%

Absorbance: -4 to 4 Abs

Transmittance: 0 to 400%

±0.004 Abs(0.5 Abs)

±0.006 Abs(1.0 Abs)

±0.008 Abs(2.0 Abs)

Less than ±0.001 Abs at 0.5 Abs

Less than ±0.0015 Abs at 1.0 Abs

Less than ±0.002 Abs at 2.0 Abs

HDMI USB VGA LAN

Automatic 8 Cell Changer

100µs – 1000 ms

3000:1

Digital LED Display

(Touch Screen)

CMOS 4000 Channels

Windows Linux

200× 300× 500 mm

20Kg

220V AC 50/60Hz

Thermal

Temperature: 15°C to 35°C

Humidity: 30% to 80%