



AURORA Single Beam

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

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	0.01 nm
Stray Light	$< 0.01\%$
Photometric Range	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
Photometric Accuracy	Less than ± 0.0015 Abs at 1.0 Abs Less than ± 0.002 Abs at 2.0 Abs
Photometric Repeatability	
Communication	HDMI USB VGA LAN
Cell Holder	One Cell Holder
Scan Time	100 μ s – 1000 ms
Signal / Noise	3000:1
Display	Digital LED Display (Touch Screen)
Detector	CMOS 4000 Channels
Software	Windows Linux
Dimension	200 x 300 x 500 mm
Weight	20 Kg
Power Requirement	220 V AC 50 / 60 Hz
Printer	Thermal
Environmental Requirements	Temperature: 15 °C to 35 °C Humidity: 30% to 80%

