

<b>Photometrics System</b>	<b>Double-beam type</b>
<b>Monochromator</b>	<b>Czerny-Turner type with 1200 lines/nm blazed grating</b>
<b>Light Source</b>	<b>WI lamp / D2 lamp</b>
<b>Lamp interchange Wavelength</b>	<b>340~410 nm (Default 370 nm)</b>
<b>RMS noise</b>	<b>Less than 0.00005 Abs (700 nm)</b>
<b>Detector</b>	<b>Silicon Photodiodes</b>
<b>Spectral Bandwidth</b>	<b>1.0 nm (190 to 1100 nm)</b>
<b>Wavelength Range</b>	<b>190 to 1100 nm</b>
<b>Wavelength Display(Setting)</b>	<b>0.05 nm</b>

<b>Wavelength Accuracy</b>	<p><math>\pm 0.3</math> nm (For entire range)</p> <p><math>\pm 0.1</math> nm (656.1 nm)</p>
<b>Wavelength Repeatability</b>	$< \pm 0.1$ nm
<b>Wavelength Slew Rate</b>	Approx. 25,000 nm/min
<b>Scanning Speed(Max)</b>	6,000 nm/min
<b>Photometric Range</b>	<p>Absorbance : -4 to 4 A</p> <p>Transmittance : 0 % to 400 %</p>
<b>Photometric Accuracy</b>	<p><math>\pm 0.002</math> Abs at 0.5 Abs</p> <p><math>\pm 0.004</math> Abs at 1.0 Abs</p> <p><math>\pm 0.006</math> Abs at 2.0 Abs</p> <p>(NIST930D/NIST1930 or equivalent)</p>
<b>Photometric repeatability</b>	<p>Less than <math>\pm 0.0002</math> at 0.5 Abs</p> <p>Less than <math>\pm 0.0006</math> at 1.0 Abs</p> <p>Less than <math>\pm 0.0010</math> at 2.0 Abs</p>

<b>Baseline stability</b>	<b>Less than 0.0003 Abs/hr</b> <b>(700 nm, one hour after light source turned ON)</b>
<b>Baseline flatness</b>	<b>&lt;± 0.0005 A</b> <b>(1,100 to 190 nm, one hour after light source turned ON)</b>
<b>Environmental requirements</b>	<b>Temperature: 15 °C to 35 °C</b> <b>Humidity: 30 % to 80 %</b>
<b>Stray light</b>	<b>Less than 1.00 %(198 nm KCl)</b> <b>Less than 0.05 %(220 nm NaI)</b> <b>Less than 0.05 %(340 nm NaNO<sub>2</sub>)</b>
<b>Standard cell Holder</b>	<b>Automatic Rotary type 8-position Multi-Cell Holder</b>
<b>Operating system(OS)</b>	<b>Windows 10 (Embedded PC)</b>
<b>Display</b>	<b>8-inch color LCD with touch screen</b>

<b>Control Options</b>	<b>Onboard with built-in touchscreen Computer (OPTIZEN View)</b>
<b>Power Requirement</b>	<b>AC 100-240 V, 50/60 Hz, 140 VA</b>
<b>Dimensions(W*D*H)</b>	<b>520 mm * 500 mm * 200 mm</b>
<b>Weight(kg)</b>	<b>14 kg</b>
<b>PC Software</b>	<b>(optional) OPTIZEN View for Windows® (optional) OPTIZEN Secure™</b>