

## Spectrophotometer with Optical Fiber Sensor

# SE 6000+OF



By applying a pen type head to your samples, it will become possible to measure even the samples with complicated shapes including Automobile components, Dental material and skin, Convexo-concave samples and etc... measurement of which has been difficult before. The Optical Fiber Sensor can be removed. You can measure the samples like solid, powder, paste, pellet and etc.



### Features

1. Measurement is possible at 10nm interval in the range of 380nm to 780nm.
2. Suitable for measuring the samples like Automobile components, Dental material and skin, Convexo-concave samples and etc.
3. Munsell color system (HVC) can be selected from either C/2° or D<sub>65</sub>/2° conditions
4. Foot switch is standard accessory. The switch makes it possible to measure even if both hands are occupied.
5. As a option, APHA (Harzen color number) and Gardner color can be measured.
6. As a option, Windows-based color management software can be used.

### Specifications

<b>Dimensions</b>	W 425mm x D 415mm x H 189mm	<b>Measuring method</b>	Double beam : Post-spectroscopy total wave length simultaneous compensation method
<b>Weight</b>	SE 6000 (Main body) : 13kg Optical Fiber Sensor : 70g	<b>Illumination &amp; light receiving condition</b>	<ul style="list-style-type: none"> <li>• Optical Fiber Sensor Select one of the following 4 systems 0° illumination / diffused light reception, Diffused illumination / 0° light reception, 0 - 45°, or 45 - 0°</li> <li>• With no Optical Fiber Sensor 0 - 45° post-spectroscopy method</li> </ul>
<b>Power supply</b>	100V to 240V AC, 50 / 60Hz	<b>Related standards</b>	JIS Z 8722, ASTM E 308, ASTM E 313, ASTM D 1925, JIS Z 8729, JIS Z 8730, JIS Z 8715, etc.  ※The above regulations are just for main body, not for with Optical Fiber Sensor.
<b>Power consumption</b>	140VA	<b>Option</b>	• Color management software (Color Mate 5)
<b>Light source</b>	Halogen lamp, 12V 50W		
<b>Measuring items</b>	L*a*b*, ΔL*a*b*, ΔE*, Lab, ΔLab, ΔE, XYZ, Yxy, YI (E313), YI (D1925), W (CIE), W(Lab), WB, HCV, L*C*h*, ΔL*C*H*, ΔE94, ΔECMC (1 : 1), ΔECMC(2 : 1), LCh, ΔLCh, OD, Metamerism, Spectral reflectance, Spectroscopic curve, color deviation criterion chart, Option (APHA and GARDNER) Any of the above color systems can be arbitrarily selected to display on the screen.		
<b>Measuring area</b>	<ul style="list-style-type: none"> <li>• Optical Fiber Sensor : 3mmφ, 4mmφ, 6mmφ</li> <li>• With no Optical Fiber Sensor : 6mmφ, 10mmφ, 30mmφ</li> </ul>		