



## Spectrometer Line Up for OEM Business

Experience the unlimited possibility. K-MAC fiber optic spectrometer, SV2100 series, provides different platforms, consisting of different wavelength ranges. Modular miniature spectrometer makes it possible for user to design various applications in many different fields.

### Wavelength

Product	Feature	Application
<b>SV2100 UV</b> 	Wavelength: 200~600nm Grating: 300/600 line Slit: 50 $\mu$ m Resolution: <2.5nm Sensor: ILX511 2nd Order: LP37	High UV Sensitivity UV Absorbance
<b>SV2100 UV-VIS</b> 	Wavelength: 250~800nm Grating: 400/600 line Slit: 50 $\mu$ m Resolution: <2.5nm Sensor: ILX511 2nd Order: LPD	UV-VIS Absorbance UV-VIS Reflectance
<b>SV2100 VIS</b> 	Wavelength: 400 ~ 850nm Grating: 500/600 line Slit: 50 $\mu$ m Resolution: <2.5nm Sensor: ILX511 or 554B 2nd Order: LP45	VIS Absorbance VIS Reflectance Color Measurement Metrology
<b>SV2100 VIS-NIR</b> 	Wavelength: 500 ~ 1,000nm Grating: 750/600 line Slit: 50 $\mu$ m Resolution: <2.5nm Sensor: ILX511 or 554B 2nd Order: LP50	VIS-NIR Absorbance VIS-NIR Reflectance Biomedical

### Application

Product	Feature	Application
<b>SV2100 A</b> 	Wavelength: 250~800nm Grating: 400/600 line Slit : 50 $\mu$ m Resolution: <2.5nm Sensor : ILX511 2nd Order: LPD	UV-VIS Absorbance Transmittance Reflectance
<b>SV2100 R</b> 	Wavelength: 250~800nm Grating: 400/600 line Slit: 10 $\mu$ m Resolution: <1nm Sensor: ILX511 Collecting Lens 2nd Order: LPD	High Resolution Gas Characterization Laser Characterization
<b>SV2100 F</b> 	Wavelength: 400~850nm Grating: 500/600 line Slit: >200 $\mu$ m Resolution: >5nm Sensor: ILX511/554B Collecting Lens 2nd Order: LP45	Low Light Detection Fluorescence Chemiluminescence Photoluminescence
<b>SV2100 I</b> 	Wavelength: 400~850nm Grating: 500/600 line Slit: 50 $\mu$ m Resolution: <2.5nm Sensor: ILX511/554B Cosine Corrector Intensity Correction 2nd Order: LP45	Irradiance Light Source Characterization

## Quick Reference Guide for OEM Business

Various detector selection according to the application.

Application	Product	WL range	Slit	FWHM Resolution	Collecting Lens	2nd Order Remove	Intensity Correction
Biomedical	SV2100 VIS-NIR	500~1,000nm	50 $\mu$ m	<2.5nm	-	LP50	-
Color	SV2100 VIS	400~850nm	50 $\mu$ m	<2.5nm	-	LP45	-
Fluorescence	SV2100 F	400~850nm	200 $\mu$ m>	>5.0nm	0	LP45	-
Gas absorbance	SV2100 R	250~800nm	10 $\mu$ m	<1.0nm	0	LPD	-
Gemology	SV2100 VIS	400~850nm	50 $\mu$ m	<2.5nm	-	LP45	-
High Resolution	SV2100 R	250~800nm	10 $\mu$ m	<1.0nm	0	LPD	-
High UV Sensitivity	SV2100 UV	200~600nm	50 $\mu$ m	<2.5nm	-	LP37	-
High NIR Sensitivity	SV2100 VIS-NIR	500~1,000nm	50 $\mu$ m	<2.5nm	-	LP50	-
Irradiance	SV2100 I	400~850nm	50 $\mu$ m	<2.5nm	-	LP45	0
Laser	SV2100 R	250~800nm	10 $\mu$ m	<1.0nm	0	LPD	-
Laser Diode	SV2100 R	400~850nm	10 $\mu$ m	<1.0nm	0	LP45	-
LED	SV2100 I	400~850nm	50 $\mu$ m	<2.5nm	-	LP45	0
Metrology	SV2100 VIS	400~850nm	50 $\mu$ m	<2.5nm	-	LP45	-
UV-Vis Reflectance	SV2100 UV-VIS	250~800nm	50 $\mu$ m	<2.5nm	-	LPD	-

### K-MAC Korea

Production Eng. Center  
554 Yongsan-dong, Yuseong-gu  
Daejeon, 305-500 Korea  
Tel. : +82-42-9303-900  
Fax : +82-42-9303-979  
E-mail : sales2@kmac.to

R&D Center  
104-11 Munji-dong, Yuseong-gu  
Daejeon, 305-500 Korea  
Tel. : +82-42-8686-888  
Fax : +82-42-8686-867

### Taiwan Branch

3F., No.42, Singjhong Rd.,  
Neihu District, Taipei City 114,  
Taiwan ROC  
Tel. : +886-2-8791-9296  
Fax : +886-2-8791-9297  
E-mail : sales.tw@kmac.to

### K-MAC China

K-MAC(Kun Shan) R&D Corp.  
488 Yuehe Road(North), Kunshan  
Jiangsu 215300, P. R. C  
Tel. : +86-512-57900888  
Fax : +86-512-57900688  
E-mail : sales@cn.kmac.to