

Ultimate and Versatile 2D Spectroradiometer is finally released!!

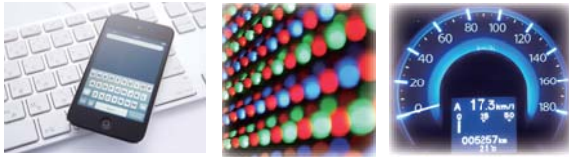
2D Spectroradiometer **SR-5000**

High precise and accurate measurement by 1nm spectral technology with powerful data analysis software.



- Spectrum measurement with 1376x 1024 pixel.
- Spectral analysis enable various kind of usage.
- World first complete traceability and calibration for Luminance and Chromaticity.

It can be sensing for a various object and purpose by analyzing the image that contains the detailed information such as spectrum.



- Evaluation of luminance, chromaticity, optical spectrum for LCD, OLED and related materials.
- Evaluation of emission spectrum distribution characteristics for meter of automotive, the light of interior(exterior).
- Evaluation of luminance, chromaticity, optical spectrum for light-emitting part of LED(OLED).
- Evaluation of visualization for color shading(concentration) of paint.
- Analysis and applications for the medical field.

Specifications

Detector	1.4 mega pixel CCD image sensor	
Objective lens	Standard lens: Focal length f=32mm	
	Standard lens+Attachment wide lens: Focal length f=24mm *1	
Effective pixel	1376X1024	
Data bit	14bit	
Measurement range	0.5 to 5,000,000cd/m ²	
Wave length range	380 to 780nm	
Spectral accuracy	±0.5nm (On Hg emission line)	
Spectral band width	7nm (Half width)	
Wave length resolution	1nm	
Linearity in Luminance	±2% *2, *3	
Chromaticity accuracy	±0.002 *2, *3, *6	
Repeatability	Luminance	0.5% *2, *4
	Chromaticity	0.001 *2, *5
Measurement time	Approx. 65 sec <	
Interface	USB3.0/External trigger	
Power supply	AC100-240V(50/60Hz) Dedicated AC adapter(standard accessory)	
Power consumption	Approx. 20W	
Operating condition	Temperature:5-35°C, Humidity: 85%R.H. or less (No condensation)	
External dimensions (Protruding parts not included)	Standard type: W162XH202XD373mm	
	Wide type : W162XH202XD407mm	
Weight	Approx. 5.5kg	

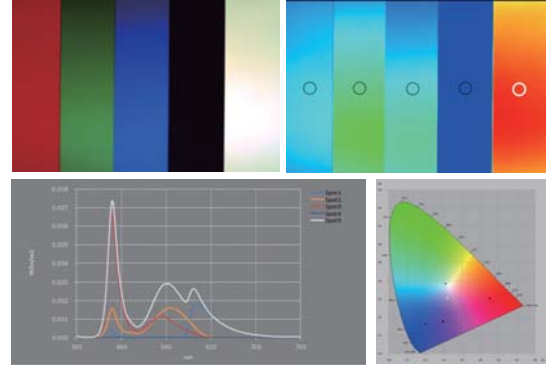
Measurement area: Standard lens

Measurement distance (mm)	400	500	1,000	1,500	2,000	2,500
Display size (inch)	10.4	12.9	25.4	37.8	50.5	62.5
Horizontal (mm)	211.1	262.7	516.8	770.3	1027.0	1271.6
Vertical (mm)	157.6	196.0	385.8	574.9	766.6	949.1

Measurement area: Wide lens

Measurement distance (mm)	400	500	1,000	1,500	2,000	2,500
Display size (inch)	14.4	17.6	34.2	50.7	67.3	83.7
Horizontal (mm)	292.4	359.2	696.6	1031.4	1369.4	1704.4
Vertical (mm)	218.2	268.1	519.9	769.8	1022.1	1272.2

Sample



*1: Standard lens + Attachment lens, *2: Standard illuminant A, *3: At the center of CCD, *4: Within 2σ, *5: Max value - Min value
*6: For reference of surface with the color glass (O-55, Y-48, A-73B, IRA-05, T-44, R-61, B-46, V-44, G-54)



*Some screens are simulated.
*The specifications and external appearances of product in this catalogue may be changed without prior notice due to improvements.
*The catalogue includes products that are sold separately.
*The actual color of products may differ slightly from the catalogue due to lighting and printing conditions.

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SAFETY PRECAUTIONS



Make sure to carefully read the "Manual" to ensure that you use the product properly and safely.

- Always connect the instrument to the specified power supply voltage. Improper connection may cause a fire or electric shock.
- Be sure to use the specified batteries.

Using improper batteries may cause a fire or electric shock.

For more information please visit our website.

<http://www.topcon-techno.co.jp/en/>



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