

## **NWH1026/NWH1027/NWH1028 Spectral Irradiance Tester**

### **Description**

The spectral radiance tester is an instrument used to measure optical parameters such as light radiation intensity and light radiation brightness. Its working principle is to decompose the light into different wavelength spectra, and then obtain spectral data by measuring the radiation intensity of each wavelength. This instrument is widely applied in numerous fields including optical technology, instrument and equipment, aerospace, automotive manufacturing, electronic and electrical engineering, and medical equipment.



### **Application**

- The optical properties of LED backlighting and LED lighting fixtures, such as brightness, color, correlated color temperature, etc.
- The optical properties of displays like OLED and LCD, such as brightness, color, correlated color temperature, spectral distribution, etc.
- High-precision measurement of the brightness and color of vehicle headlights, taillights, and ambient lights.
- As optical characteristic evaluation probes, they are installed on various automatic measurement machines.
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### **Features**

- Wide measurement range
- High measurement accuracy
- Multiple measurement angles
- Multiple communication interfaces

### **Technical Specifications**

Items	Specifications
Measurement Wavelength Range	Standard: 380~780nm (Optional: 350~1050nm)
Measurement Angle	0.5°, 1°, 2° or custom special angles
Measurement Functions	Radiance, Luminance, CIE Color Coordinates, Correlated Color Temperature, FWHM, Tristimulus Values, Color Purity, Peak Wavelength
Luminance Measurement Range	FLH1026: 10~500,000cd/m <sup>2</sup> FLH1027: 0.1~50,000cd/m <sup>2</sup> FLH1028: 0.01~50,000cd/m <sup>2</sup>
Luminance Accuracy	± 2%
Chromaticity Accuracy	x: ± 0.002, y: ± 0.002
Luminance Repeatability	0.50%
Chromaticity Repeatability	0.0005
Communication	USB/RS232 one or more