

Apacer optical inspection solution

Spectroradiometer

AL200M

V01-0319

✉ Ea_sales@apacer.com

Specification

Model	AL200M	
Device Measuring Function	Luminance · Correlated Color Temperature (CCT · Duv) · Purity · Spectral Radiance · XYZ Tristimulus Values · Peak Wavelength (λ_P) · Peak Wavelength Value (λ_{PV}) · Color Rendering Index (CRI R1~R15, Ra) · Chromaticity Coordinates CIE1931(x · y)/CIE1976 (u' · v') · Spectrogram (380~780nm)	
Measurement Method	Contact	
Measurement Angle	5 °	
Measurement port size	Φ20mm/10mm/6mm	
Measurable Luminance Range	0.02~10000 cd/m ² (nit)*	
Repeatability (2σ) (Standard Illuminant A)	Luminance	99% (0.5~10000 cd/m ² (nit))*
	Chromaticity	x:0.001 y:0.001
Accuracy (Standard Illuminant A)	Luminance	99% (1~10000 cd/m ² (nit))*
	Chromaticity	0.001 (illuminant at least 1 cd/m ² (nit) or above)
Spectrum Measuring Range	380nm~780nm	
Spectral Resolution (FWHM)	3.2nm*	
Measuring Time	1ms-24S	
Dimensions (L/W/H)mm	130.3x34x130mm	
Device Calibration	RGB Calibration · Spectrum Calibration	
Gauge Mounting Aperture	M6 · ¼ 20UNC	
Weight	400g	
Operation/Storage Environment	0°C~40°C · <80% RH / -10°C~60°C <70%RH	
Accessories	hood*3 · USB Cable · Crashproof Package	
Software Display (ASR)	ASR	
Software Advanced Functions	Luminance · Correlated Color Temperature (CCT · Duv) · Purity · Spectral Radiance · XYZ Tristimulus Values · Peak Wavelength (λ_P) · Peak Wavelength Value (λ_{PV}) · Color Rendering Index (CRI R1~R15, Ra) · Chromaticity Coordinates CIE1931(x · y)/CIE1976 (u' · v') · Spectrogram (380~780nm)	
Additional Function	Uniformity · Color Gamut (NTSC · AdobeRGB · sRGB · Rec2020) · Gamma Correction (255)	
SDK Syntax	Support VC · VB	