

Specifications

Product No.	Ai101	
Liquid-Crystal Display (LCD)	4.3" touch panel	
Device Measuring Function	Illuminance, Spectral Irradiance, TM30-15 (RF/RG), Correlated Color Temperature (CCT, Duv), Dominant Wavelength (λ_D), XYZ Tristimulus Values, Peak Wavelength (λ_P), Peak Wavelength Value (λ_{PV}), Purity, Color Quality Scale (CQS), Color Rendering Index (CRI R1-R15, Ra), Chromaticity Coordinates CIE1931(x,y)/CIE1976 (u',v'), Television Lighting Consistency Index (TLCI), Spectrogram (330~850 nm)	
Light Receiver	Cosine Corrector (active range: $\Phi 8\text{mm}$)	
Measurable Illuminance Range	1~600000 (lx)	
Repeatability (2σ) (Standard Illuminant A)	Illuminance	99% (10~600000 (lx))
	Chromaticity	x:0.0015 y:0.0015
Accuracy (Standard Illuminant A)	Illuminance	97% (10~600000 (lx))
	Chromaticity	0.002 (illuminant at least 10 (lx) or above)
Wavelength Data Increment	1nm	
Spectral Resolution (FWHM)	5.5nm	
Measuring Time	1ms~60s	
Dimensions (L/W/H)mm	150×97×32mm (includes the cosine corrector)	
Over-Exposure Warning	Presented in Red Digits of Illuminance	
Storage	SD Card	
Gauge Mounting Aperture	M6, $\frac{1}{4}$ 20UNC	
Weight	350g (strengthen plastic)	
Battery Capacity	3350mAh	
Operation/Storage Environment	0°C~40°C, <80% RH / -10°C~60°C <70%RH	
Accessories	USB Cable, Power Adapter, 8GB SD Card, Cosine Corrector Cap, Crashproof Case	
Software Display (ASI)	Illuminance, Spectral Irradiance, TM30-15 (RF/RG), Correlated Color Temperature (CCT, Duv), Dominant Wavelength (λ_D), XYZ Tristimulus Values, Peak Wavelength (λ_P), Peak Wavelength Value (λ_{PV}), Purity, Color Quality Scale (CQS), Color Rendering Index (CRI R1-R15, Ra), Chromaticity Coordinates CIE1931(x,y)/CIE1976 (u',v'), Television Lighting Consistency Index (TLCI), Spectrogram (330~850 nm), Standard Deviation of Color Matching (SDCM), Sotopic / Photopic (S/P) Ratio, Δx , Δy , $\Delta u'$, $\Delta v'$, LED Bin Categorization	
Conformity with Standards	TM30-15, ANSIC78.377	
SDK Syntax	Support VC, VB SDK	
Additional Function	Allow Measurement through USB Cable Connecting with ASI Software in PC	

Apacer

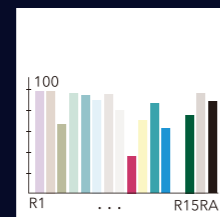
Access the best

Ai101

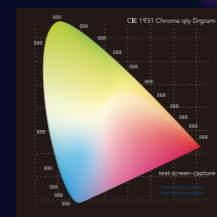
SPECTRAL IRRADIANCE METER

**For advanced functions,
ASI software is a good choice
to fulfill better user experience**

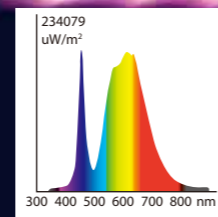
(ASI is optional software for the package)



CRI



CIE 1931



Spectrum

Global Presence

Taiwan (Headquarters)
Apacer Technology Inc.
Tel +886-2-2267-8000
Fax +886-2-2267-3410

Europe
Apacer Technology B.V.
Tel +31 40 267 0000
Fax +31 40 290 0686

U.S.A.
Apacer Memory America, Inc.
Tel +1 408 518 8699
Fax +1 408 935 9611

China
Apacer Electronic (Shanghai) Co., Ltd.
Tel +86 21 6229 2552

Japan
Apacer Technology Corp.
Tel +81 3 5419 2668
Fax +81 3 5419 0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215

Ai101

SPECTRAL IRRADIANCE METER

**A Specialized Device
for Measuring
COB & LED Light Bulbs**



Wide Range of Measurement

- 330~850nm
(from UV to IR)



Pioneer for High Resolution

- FWHM 5.5nm



Support Rf/Rg Measurement

- Comply with TM30-15



Suitable for Film & Television Lighting

- Support Television Lighting Consistency Index (TLCI) Calculation

Portable, Light and Ergonomic Design



Ai101 Parts

