

Lighting PassportTM | Pro

The World's First Handheld Smart Spectrometer



Product Features



Evolving Platform



Precision Mode



Flicker Measurement



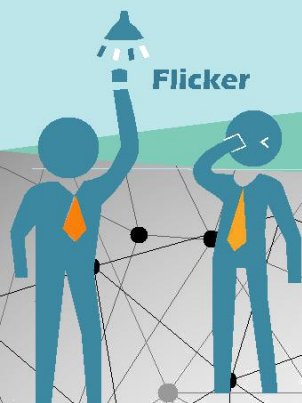
PC Control



Environment Temperature and Relative Humidity Recording



Enhanced Battery Duration



Specifications

Product Type	Pro Essence	Pro Standard	Pro Flagship
Size	Width : 68.5 mm Depth : 17 mm Height : 56 mm		Width : 68.5 mm Depth : 17 mm Height : 189 mm (Includes iPod touch)
Net Weight	79 g $\pm$ 1 g		214 g $\pm$ 2 g
Wavelength Range	380 ~ 780 nm		
Illuminance Range	Measurable: 5 ~ 50,000 lux Reliable Chromaticity: 100 ~ 50,000 lux	Measurable: Reliable Chromaticity:	5 ~ 50,000 lux 50 ~ 50,000 lux
Output Wavelength Pitch	1 nm		
Optical Resolution(FWHM)	10 nm	8 nm	
Repeatability (2σ)	* x, y : < 0.001	* x, y : < 0.0005	
Accuracy (@ 1,000 lux Standard Light Source)	x, y : $\pm$ 0.003 Illuminance : $\pm$ 5 % CCT : $\pm$ 3 %	x, y : $\pm$ 0.002 Illuminance : $\pm$ 3 % CCT : $\pm$ 2 %	
Flicker Measurement Capability	Range: 5 ~ 200 Hz Accuracy : $\pm$ 5 %		
Integration Time	6 ms ~ 16 s		
Operating Temperature/ Humidity Range	0 ~ 35 °C, relative humidity under 80 % with no condensation		
Storage Temperature/ Humidity Range	-10 ~ 45 °C, relative humidity of 85 % or less (@ 35 °C) with no condensation		
APPS	SGE, SGT, SGAL, SGS	SGM, SGT, SGAL, SGS	

* In Precision Mode (@ 1,000 lux Standard Light Source)

Applicable Mobile Devices

iOS devices:

iPhone 4S, iPhone 5/ 5C/ 5S/ 6/ 6+/6S/6S+, iPod touch 5, iPad mini/ mini2, the New iPad(iPad 3), iPad Air and later version.

Android devices:

Support Android 4.4.2 and above version with BT4.0 (BLE, Bluetooth Low Energy) module, and now optimized for Samsung S4/ S5/ Note3, LG Nexus 5, LG G3/G4, Sony Z1/ Z2 and later version.



APP Functions



SGE



SGM

V2AEL22

Product Type	Pro Essence	Pro Standard	Pro Flagship
Measurement Mode	Single Multiple Subtract Background	Single, Multiple, Continuous Subtract Background	
Measurement Capability	CCT CIE 1931 CIE 1976 Spectrum C78.377-2008 IEC-SDCM CRI (Ra) R1 ~ R15 CQS TLCl (Qa) GAI Illuminance Foot Candle λp Flicker Index Flicker Percentage Flicker Frequency	CCT Duv CIE 1931 CIE 1976 Spectrum C78.377-2008 IEC-SDCM CRI (Ra) CRI (Re) R1 – R15 CQS TLCl(Qa) GAI Illuminance Foot Candle	PPFD λp λD Purity SP ratio Flicker Index Flicker Percentage Flicker Frequency TM-30-15
Key Features	Automatically Record Temperature & Humidity Photograph Note Auto Connection Auto Dark Calibration Data Comparison GPS Orientation Smart Pass Social Media Integration	Automatically Record Temperature & Humidity Photograph Note Data Filter Auto Connection Auto Dark Calibration Data Comparison WiFi Transfer GPS Orientation Smart Pass Social Media Integration	
Language (*SGM/SGE)	Traditional Chinese, Simplified Chinese, English, Japanese, German, French, Russian, Italian, Turkish, Spanish		

* ASENSETEK reserves the right to modify the specification of its products without prior notice.
Please check the official website for updates.

Lighting Passport Pro Product Matrix

- Package Content
- △ Free Download
- Choose and Buy

	Pro Essence	Pro Standard	Pro Flagship
			

Accessory

 Protective Bag	●	●	●
 Stand	●	●	●
 Clipper		●	●
 iPod Touch			●
 Bluetooth Controller	○	○	○
 Tripod Adaptor	○	○	●
 Pocket Bag	●	●	●

APP

 Spectrum Genius Mobile		△	△
 Spectrum Genius Essence	△		
 Spectrum Genius Transmittance	○	△	△
 Spectrum Genius Agricultural Lighting	○	△	△
 Spectrum Genius Studio	○	△	△

PC Software

 Spectrum Genius Standard		●	●
 Spectrum Genius Advanced	○	○	○

* For more up-to-date information, please check the official website.

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