Lighting Passport Pro
Product Matrix

- ● Package Content
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	Pro Essence	Pro Standard	Pro Flagship
Accessory			
Protective Bag	●	●	●
Stand	●	●	●
Clipper	●	●	●
iPod Touch			●
Tripod Adaptor	○	○	●
Pocket Bag	●	●	●
APP			
Spectrum Genius Mobile		△	△
Spectrum Genius Essence	△		
Spectrum Genius Transmittance	○	△	△
Spectrum Genius Agricultural Lighting	○	△	△
Spectrum Genius Studio (iPad)	○	△	△
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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Extend your sense

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Lighting Passport™ | Pro

The World's First
Handheld Smart Spectrometer

Flicker Index | Flicker Percentage | Flicker Frequency | Foot Candle | CIE 1931 | CIE 1976

SGM | SGE | SGT

°C / °F | PPFD | SDCM | SGAL | SGS | Purity | Duv | SP ratio

More applications coming soon!!

Humidity | TLCI (Qa) | GAI

CRI (Ra) | CRI

CQS | Lux | Foot Candle | 1931 | 1976

Product Features

- **Evolving Platform**
- **Precision Mode**
- **Flicker Measurement**
- **PC Control**
- **Environment Temperature and Relative Humidity Recording**
- **Enhanced Battery Duration**

V1AEH31

Lighting Passport Pro

Specifications

V1AEH31

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 ± 1 g	214 g ± 2 g
Wavelength Range		380 ~ 780 nm	
Illuminance Range	Measurable: 5 ~ 50,000 lux Reliable Chromaticity: 100 ~ 50,000 lux	Measurable: 5 ~ 50,000 lux Reliable Chromaticity: 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：± 0.003 Illuminance：± 5 % CCT：± 3 %	x, y：± 0.002 Illuminance：± 3 % CCT：± 2 %	
Flicker Measurement Capability	Range: 5 ~ 200 Hz Accuracy : ± 5 % (Up to 600 Hz @ over 30,000 lux)		
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, SGS (iPad)	SGM, SGT, SGAL, SGS, SGS (iPad)	

* 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

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APP Type	Spectrum Genius Essence (SGE)	Spectrum Genius Mobile (SGM)	
Applicable Model	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 TLCI (Qa) Gamut Area Index (GAI) Illuminance Foot Candle λp Flicker Index Flicker Perentage Flicker Frequency TM-30-15 #(Rf/ Rg/ Diagram)	CCT Purity Duv SP ratio CIE 1931 Flicker Index CIE 1976 Flicker Perentage Spectrum Flicker Frequency C78.377-2008 TM-30-15 (Rf/ Rg/ Diagram) IEC-SDCM CRI (Ra) CRI (Re) R1 ~ R15 CQS TLCI (Qa) Gamut Area Index (GAI) Illuminance Foot Candle PPFD λp λD	
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.

In-APP Purchase