

Lighting Passport Pro Product Matrix

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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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Lighting Passport 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

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 <i>(Includes iPod touch)</i>	
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

V1AEH31

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 lp Flicker Index Flicker Percentage Flicker Frequency TM-30-15 # (Rf/ Rg/ Diagram)	CCT Duv CIE 1931 CIE 1976 Spectrum C78.377-2008 IEC-SDCM CRI (Ra) CRI (Re) R1 ~ R15 CQS TLCI (Qa) Gamut Area Index (GAI) Illuminance Foot Candle PPFD lp AD	Purity SP ratio Flicker Index Flicker Percentage Flicker Frequency TM-30-15 (Rf/ Rg/ Diagram)
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		

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

In-APP Purchase