The World’s First Handheld Smart Spectrometer

Package Content
- Free Download
- Choose and Buy

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

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

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

Taipei Headquarter
Address: 8F., No.43, Fuxing Rd., Xindian Dist., New Taipei City 23150, Taiwan
Phone: +886-2-2218-5577 Fax: +886-2-2218-0656
E-mail: service@asensetek.com
Website: http://www.asensetek.com
Facebook: https://www.facebook.com/lighting.passport
Twitter: https://twitter.com/Asensetek

Free Download
Choose and Buy

Product Matrix
Pro Essence
Pro Standard
Pro Flagship

Spectrum Genius
Mobile
Essence
Transmittance
Agricultural Lighting
Studio (iPad)
Studio

°C/°F
PPFD
SDCM
C78.377
λD
Purity
Duv
SP ratio
Humidity
TLCI (Qa)
GAI
CRI (Ra)
CRI (Re)
Flicker Index
Flicker Percentage
Flicker Frequency

Spectrum Genius
Standard
Advanced

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

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Pro Essence</th>
<th>Pro Standard</th>
<th>Pro Flagship</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Size</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>68.5 mm</td>
<td>68.5 mm</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>17 mm</td>
<td>17 mm</td>
<td></td>
</tr>
<tr>
<td>Height</td>
<td>56 mm</td>
<td>189 mm</td>
<td>(Includes iPod touch)</td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>79 g ± 1 g</td>
<td>214 g ± 2 g</td>
<td></td>
</tr>
<tr>
<td><strong>Wavelength Range</strong></td>
<td>380 ~ 780 nm</td>
<td>380 ~ 780 nm</td>
<td></td>
</tr>
<tr>
<td><strong>Illuminance Range</strong></td>
<td>Measurable: 5 ~ 50,000 lux</td>
<td>Measurable: 5 ~ 50,000 lux</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reliable Chromaticity: 100 ~ 50,000 lux</td>
<td>Reliable Chromaticity: 50 ~ 50,000 lux</td>
<td></td>
</tr>
<tr>
<td><strong>Output Wavelength Pitch</strong></td>
<td>1 nm</td>
<td>1 nm</td>
<td></td>
</tr>
<tr>
<td><strong>Optical Resolution (FWHM)</strong></td>
<td>10 nm</td>
<td>8 nm</td>
<td></td>
</tr>
<tr>
<td><strong>Repeatability (2σ)</strong></td>
<td>*x, y : &lt; 0.001</td>
<td>*x, y : &lt; 0.0005</td>
<td></td>
</tr>
<tr>
<td><strong>Accuracy</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(100 lux)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>x, y</td>
<td>± 0.003</td>
<td>± 0.002</td>
<td></td>
</tr>
<tr>
<td>Illuminance</td>
<td>± 5 %</td>
<td>± 3 %</td>
<td></td>
</tr>
<tr>
<td>CCT</td>
<td>± 3 %</td>
<td>± 2 %</td>
<td></td>
</tr>
</tbody>
</table>

**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 Percentage
- Flicker Frequency
- TM-30-15 (Rf/ Rg/ Diagram)
- **PPFD**
- **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

**Language**

- Traditional Chinese, Simplified Chinese, English, Japanese, German, French, Russian, Italian, Turkish, Spanish

**APP Functions**

<table>
<thead>
<tr>
<th>APP Type</th>
<th>Spectrum Genius Mobile (SGM)</th>
<th>Spectrum Genius Mobile (SGM)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measurement Mode</strong></td>
<td>Pro Essence</td>
<td>Pro Standard</td>
</tr>
<tr>
<td><strong>CCT</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIE 1931</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIE 1976</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spectrum</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C78.377-2008</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IEC-SDCM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRI (Ra)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R1 ~ R15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CQS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TLCI (Qa)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gamut Area Index (GAI)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Illuminance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foot Candle</td>
<td></td>
<td></td>
</tr>
<tr>
<td>λp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flicker Index</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flicker Percentage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flicker Frequency</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TM-30-15 (Rf/ Rg/ Diagram)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PPFD</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TM-30-15 (Rf/ Rg/ Diagram)</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**iOS Devices:**

- iPhone 4S, iPhone 5/ 5S/ 6/ 6+/ 6S/6S+, iPod touch 5, iPod 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 S, LG G3/ G4, Sony Z1/ Z2 and later version.

**Social Media Integration:**

- Photograph
- Note
- Auto Connection
- Auto Dark Calibration
- Data Comparison
- WiFi Transfer
- GPS Orientation
- Social Media Integration

**Language:**

- Traditional Chinese, Simplified Chinese, English, Japanese, German, French, Russian, Italian, Turkish, Spanish

*ASENTERK reserves the right to modify the specification of its products without prior notice.*

# In-APP Purchase

Please check the official website for updates.