SFIM-400 光谱闪烁照度计
SFIM-400 spectral scintillation illuminometer

- SFIM-400光谱闪烁照度计集光谱测量和闪烁分析功能于一体，以国际专利设计为核心，实现高精度、高灵敏度的测量。专用于光源、照明现场的快速光度变化曲线、频闪、波动指数（频闪指数，FLICKER）、闪烁百分比(Percent Flicker)等的测量。一键操作，一步完成实地测量与分析，数据实时读取。

  The SFIM-400 spectral scintillation illuminometer integrates spectral measurement and scintillation analysis functions. With international patented design as the core, it realizes high-precision and high-sensitivity measurement. It is specially used for the measurement of fast photometric change curve, stroboscopic, fluctuation index (FLICKER), percent flicker, etc. of light source and lighting scene. One click operation, one-step field measurement and analysis, real-time data reading.

特点与优势 Characteristics and advantage

- **可测量参数**
  Measurable parameters
- 照度
  Illuminance
- 相对光谱功率分布
  Relative spectral power distribution
- 光谱辐照度
  Spectral irradiance
- CIE1931，1960及1976色坐标、
  CIE19311960 and 1976 color coordinates
- 电视照明(光源)一致性指数（TLCI）
  TV lighting (light source) consistency index (TLCI)
- 光源显色性评价（IES TM-30）
  Color rendering evaluation of light source (IES TM-30)
- 相关色温
  Correlated color temperature
- 显色指数
  Color rendering index
- 闪烁百分比
  Blinking percentage
- 闪烁指数
  Scintillation index
- 调制深度
  Modulation depth
- 闪烁频率
  Flicker frequency
- FFT频谱等。
  FFT spectrum, etc.

特点与优势 Characteristics and advantage

- **高端配置，全新测量体验**

测量范围宽，测量精度高
国际专利保护：SFIM-400采用具有国际专利的SBCT技术，大幅拓宽光度测量范围和提高精度。
光度测量范围：0.01lx~200klx (A光源)
SBCT：分光-积分相结合方法，是世界公认的光度/辐射度测量的高精度的方法。
采用专利的复变矩阵杂散光校正技术，使光谱测量中的杂散光控制能力提高1~2个数量级。
High end configuration, new measurement experience
Wide measuring range and high measuring accuracy
International patent protection: SFIM-400 adopts the SBCT technology with international patents, greatly expanding the photometric measurement range and improving the accuracy.
Photometric measurement range: 0.01lx~200klx (A light source)
SBCT: Spectrometric integration method, which is recognized worldwide as a high-precision method for photometric/radiometric measurement.
The patented complex matrix stray light correction technology is adopted to improve the stray light control ability in spectral measurement by 1~2 orders of magnitude.

- 毫秒级超快智能测量

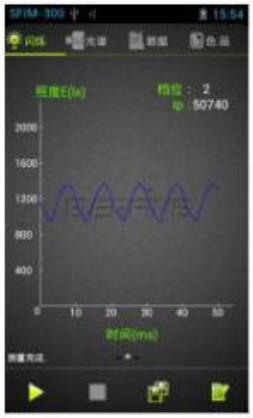
光谱、闪烁、光度、色度等毫秒级智能测量分析，快捷高效。
数据可以excel,jpg等多种格式输出
多语言操作系统
Millisecond class ultra fast intelligent measurement
Millisecond intelligent measurement and analysis of spectrum, scintillation, luminosity, chroma, etc., fast and efficient.
Data can be output in excel, jpg and other formats
Multilingual operating system

特点与优势 Characteristics and advantage

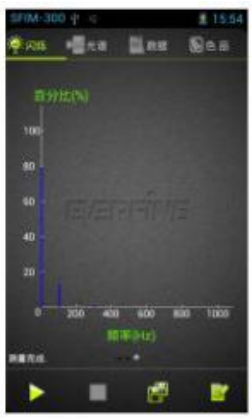
- **精致轻巧 界面直观 易读易用**
  Delicate and lightweight interface, intuitive, easy to read and use

- 5.0寸超大显示屏一键式操作数据实时读取
  Real time reading of one key operation data of 5.0 inch large display screen

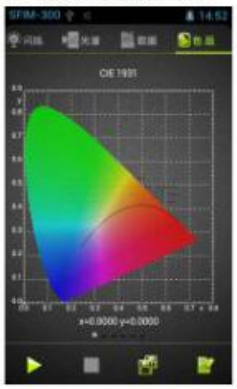
主机主界面（默认闪烁显示）



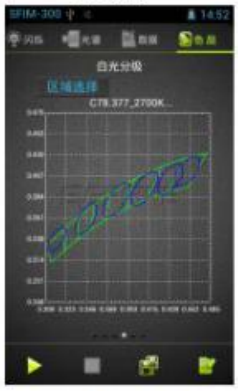
照度曲线



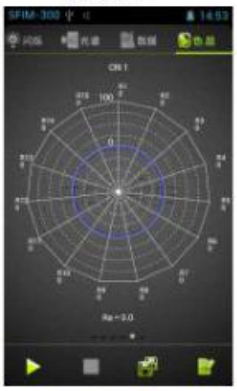
FFT 频谱图



色品图界面



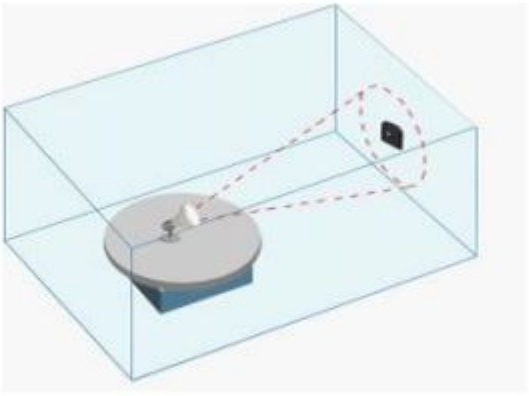
白光分 binning



显色指数雷达图

特点与优势 Characteristics and advantage

- **可拆卸式探头和无线传输技术使测量更灵活**
  探头能多角度、多场合灵活取样。
  Removable probe and wireless transmission technology make measurement more flexible
  The probe can sample flexibly at multiple angles and occasions.



技术参数 Specifications

型号	SFIM-400
波长范围	380nm ~ 780nm
波长准确度	0.5nm
照度准确度	(3%读数+1 个字)
SBCT 修正	有
照度测量范围	0.01lx ~ 200klx（A 光源）
FFT 范围	0Hz-5kHz
存储容量	6G SD 卡（内置）
供电方式	锂电池/电源适配器
通讯方式	主机-探头：USB 接口/BLUETOOTH 主机-PC：USB/WIFI