

LM-5 暗场亮度计 LM-5 dark field luminance meter

- LM-5暗场亮度计可广泛用于显示器暗场条件下的弱亮度，显示器HDR及其它弱光亮度测试场合，配合信号发生器可实现OLED极限黑色亮度、峰值亮度、光电转换性能EOTF的测量。

The LM-5 dark field luminance meter can be widely used for the weak luminance of the display under dark field conditions, HDR of the display and other weak light luminance testing occasions. With the signal generator, it can realize the measurement of OLED extreme black luminance, peak luminance, and photoelectric conversion performance EOTF.



特点与优势 Characteristics and advantage

- 1) 高精度测量
高稳定的、光谱响应曲线与标准CIE V(λ)曲线严格匹配，匹配精度高，为亮度的精确测量提供了保证。
1) High precision measurement
Highly stable, spectral response curve and standard CIE V (λ) The curve is strictly matched with high matching accuracy, which guarantees the accurate measurement of brightness.
- 2) 极弱亮度的测量
探测器采用恒温制冷的设计，进一步降低噪声，提高测试灵敏度，为OLED暗场的极弱亮度0.00005cd/m²的稳定测量提供了保证。
2) Measurement of extremely weak brightness
The detector is designed with constant temperature refrigeration to further reduce noise and improve test sensitivity, which guarantees the stable measurement of the extremely weak brightness 0.00005cd/m² of OLED dark field.

技术参数 Specifications

- 1) 测量功能：亮度；
1) Measurement function: brightness;
- 2) 测量视场角：2° /1° /0.2° /0.1° ；
2) Measuring field angle: 2° /1° /0.2° /0.1° ；
- 3) 亮度测量允许误差：2.5%读数+1个字（按国家计量检定规程JJG211-2005）；
3) Allowable error of brightness measurement: 2.5% reading+1 word (according to national metrological verification regulation JJG211-2005);
- 4) 亮度测量范围(标准A光源)：0.00005~2,000 (1° 视场角，不同视场对应的亮度测量范围不同)
4) Luminance measurement range (standard A light source): 0.00005~2000 (1° field angle, different field of view correspond to different luminance measurement ranges)
- 5) 最小测量距离：标准镜头：300mm（焦距：85mm）；
5) Minimum measuring distance: standard lens: 300mm (focal length: 85mm);
- 6) 设备带数据的存储功能，方便现场测试。
6) The equipment has the data storage function, which is convenient for on-site testing.