

## LM-3 多视场亮度计 LM-3 multi field luminance meter

- 高稳定的、光谱响应曲线与CIE(国际照明委员会)曲线匹配的光电探测部件，保障测量高精度与稳定性。广泛应用于仪表盘、数码管、背光源、手机屏、LED显示屏、OLED屏、FPD平板电视、投影屏幕、道路照明、景观照明、光源和发光器件、交通信号等领域。

Highly stable photoelectric detection components with spectral response curve matching CIE (International Commission on Illumination) curve, ensuring high accuracy and stability of measurement. It is widely used in instrument panel, digital tube, backlight, mobile phone screen, LED display, OLED screen, FPD flat screen TV, projection screen, road lighting, landscape lighting, light source and luminous device, traffic signal and other fields.



### 特点与优势 Characteristics and advantage

- 1) 多视场角切换:  $2^\circ$ 、 $1^\circ$ 、 $0.2^\circ$ 、 $0.1^\circ$  多视场角切换。既适用于细小如指示灯、仪表盘的测量,也可用于户外LED显示屏等大尺寸发光体的测量。  
1) Multi field angle switching:  $2^\circ$ ,  $1^\circ$ ,  $0.2^\circ$ ,  $0.1^\circ$  multi field angle switching. It is not only suitable for the measurement of small indicators and instrument panels, but also for the measurement of large luminous objects such as outdoor LED displays.
- 2) 测量范围宽: 满足低至 $0.001\text{cd/m}^2$ , 高达 $4000000\text{cd/m}^2$ 的亮度测量。  
2) Wide measurement range: meet the requirements of brightness measurement as low as  $0.001\text{ cd/m}^2$  and as high as  $4000000\text{ cd/m}^2$ .
- 3) 自带显示屏测试便捷。  
3) The built-in display screen is convenient for testing.
- 4)  $0.4\text{m}$ ~无穷远测量距离: 配大口径高像质的从微距到无穷远的国际顶级物镜, 可实现近距到远距离测量。  
4)  $0.4\text{m}$ ~infinity measurement distance: equipped with international top level objective lens with large aperture and high image quality from micro to infinity, it can realize short distance to long distance measurement

### 技术参数 Specifications

- 1) 测试功能: 亮度(Y)  
1) Test function: brightness (Y)
- 2) 镜头焦距:  $f=85\text{mm}$   
2) Lens focal length:  $f=85\text{mm}$
- 3) 观察视场:  $8^\circ$   
3) Observation field of view:  $8^\circ$
- 4) 测试距离:  $0.4\text{m}$ ~无限远 (近透镜可选配)  
4) Test distance:  $0.4\text{m}$ ~infinity (optional proximity lens)
- 5) 测量视场角:  $2^\circ$ 、 $1^\circ$ 、 $0.2^\circ$ 、 $0.1^\circ$   
5) Measuring field angle:  $2^\circ$ ,  $1^\circ$ ,  $0.2^\circ$ ,  $0.1^\circ$
- 6) 最小测量尺寸 ( $0.4\text{m}$ 距离):  $\Phi 11\text{mm}$ 、 $\Phi 5.6\text{mm}$ 、 $\Phi 1.1\text{mm}$ 、 $\Phi 0.55\text{mm}$   
6) Minimum measurement dimension ( $0.4\text{m}$  distance):  $\Phi 11\text{mm}$ 、 $\Phi 5.6\text{mm}$ 、 $\Phi 1.1\text{mm}$ 、 $\Phi 0.55\text{mm}$
- 7) 亮度测量范围 $\text{cd/m}^2$ (A光源):  $0.001\sim 4000\ 000$  (不同视场角测量范围不同)  
7) Luminance measurement range  $\text{cd/m}^2$  (A light source):  $0.001\sim 4000\ 000$  (different field angles have different measurement ranges)
- 8) 亮度测量范围 $\text{cd/m}^2$ (A光源):  $2.5\%+1$ 个字/ $3\%+1$ 个字  
8) Luminance measurement range  $\text{cd/m}^2$  (A light source):  $2.5\%+1$  word/ $3\%+1$  word