



LM-3 Luminance meter

Based on the telescope optic system and imaging technology, the luminance of the test object can be measured in a non-contact state

Description

High-stability photoelectric detection components with spectral response curves matching CIE curves to ensure high accuracy and stability of measurement. Widely used in instrument panels, digital tubes, backlight, mobile phone screens, LED displays, OLED displays, FPD flat-screen TVs, projection screens, road lighting, landscape lighting, light sources and light-emitting devices, traffic signals and other fields.

Main characteristics

- 1) Multiple Viewing angle switch: Multiple field of angle switching at 2° 、 1° 、 0.2° 、 0.1° . Suitable for both small light source, such as indicators and dashboards, and large size illuminants such as outdoor LED displays.
- 2) Wide luminance range: Wide luminance measurement range from 0.001cd/m^2 to 4000000cd/m^2 .
- 3) Built-in display is convenient for test.
- 3) 0.4m ~ infinite measuring distance: It is feasible to measure object from small to very large distance equipped with high-end objective lens with large aperture.

Technical specification :

- 1) Measurement function : Luminance(Y)
- 2) Lens focal length : $f=85\text{mm}$
- 3) Viewing field : 8°
- 4) Measurement distance : $0.4\text{m}\sim\text{infinity}$ (Close-up lens is optional)
- 5) Viewing angle : 2° 、 1° 、 0.2° 、 0.1°
- 6) Minimum measured size (0.4m) : $\sim\Phi 11\text{mm}$ 、 $\sim\Phi 5.6\text{mm}\sim\Phi 1.1\text{mm}\sim\Phi 0.55\text{mm}$
- 7) Luminance measurement range cd/m^2 (under standard A source) : $0.001\sim 4000\ 000$ (different range at different Viewing angle)
- 8) Luminance measurement range cd/m^2 (under standard A source) : $\pm 2.5\%\pm 1\text{digit}/\pm 3\%\pm 1\text{digit}$