



## LM-5 Dark field luminance meter

Extremely weak luminance measurement to meet the needs of HDR evaluation and OLED dark field measurement

### Description

The LM-5 dark field luminance meter can be widely used in the weak luminance of the display in the dark field condition, the display HDR and other low light test occasions. With the signal generator can achieve the OLED limit black luminance, peak luminance, photoelectric conversion performance EOTF .

### Main characteristics :

#### 1) High precision

High stability, spectral response curve strictly matches the standard CIE V ( $\lambda$ ) curve, and the matching accuracy is high, which provides a guarantee for the accurate measurement of luminance.

#### 1) Ultra low luminance detection

The detector adopts TE-cooling technology to improve signal to noise ratio, which provides a guarantee for the stable measurement of the extremely weak luminance to 0.00005cd/m<sup>2</sup> for OLED dark field measurement.

### Parameter

- 1) Measurement function : luminance ;
- 2) Viewing angle : 2°/1°/0.2°/0.1° ;
- 3) Tolerance of luminance measurement :  $\pm 2.5\%$ reading +1digit (According to Chinese national metrological verification regulations JJG211-2005) ;
- 4) Luminance measurement range(under standard A source) : 0.00005~2,000 (1°Viewing angle, different luminance range at different viewing angle)
- 5) Minimum measurement distance : standard lens : 300mm (focal length : 85mm) ;
- 6) Data storage function, convenient for on site test.

Display HDR certification

Low light illuminant

OLED dark field