

1. TECHNICAL SPECIFICATIONS

Accuracy is indicated as [% rdg]. It is referred to the following reference conditions: 23°C ± 5°C with RH < 70%. The luxmeter is calibrated with standard incandescent lamp at color temperature 2856 K.

Measuring range and accuracy

| | | | | | |
|-------------------------|------------|-----|----|-----|------|
| Range (Lux) | 20 | 200 | 2k | 20k | 200k |
| Resolution (Lux) | 0.01 | 0.1 | 1 | 10 | 100 |
| Accuracy | ± (3% rdg) | | | | |

| | | | | |
|------------------------|------------|-----|----|-----|
| Range (fc) | 20 | 200 | 2k | 20k |
| Resolution (fc) | 0.01 | 0.1 | 1 | 10 |
| Accuracy | ± (3% rdg) | | | |

- 1fc=10.76Lux, 1Klux=1000Lux, 1Kfc=1000fc.
- For temperature/color different form reference, accuracy its 6%rdg

Specifications

| | |
|--|---|
| Spectral response: | CIE Photopic. (CIE human eye response curve). |
| Accuracy on angular deviation from cosine curve: | 30° (± 2%) 60° (± 6%) 80° (± 25%) |

DC Analogical output specifications

| | | | | | |
|-----------------------|----|-----|-----|------|-------|
| Range lux/fc | 20 | 200 | 2k | 20k | 200k |
| DC Output (mV) | 10 | 1 | 0.1 | 0.01 | 0.001 |

Spectral sensitivity

The photodiode with filters makes the spectral sensitivity almost meet the CIE photo-optic curve $V(\lambda)$ as shown below.

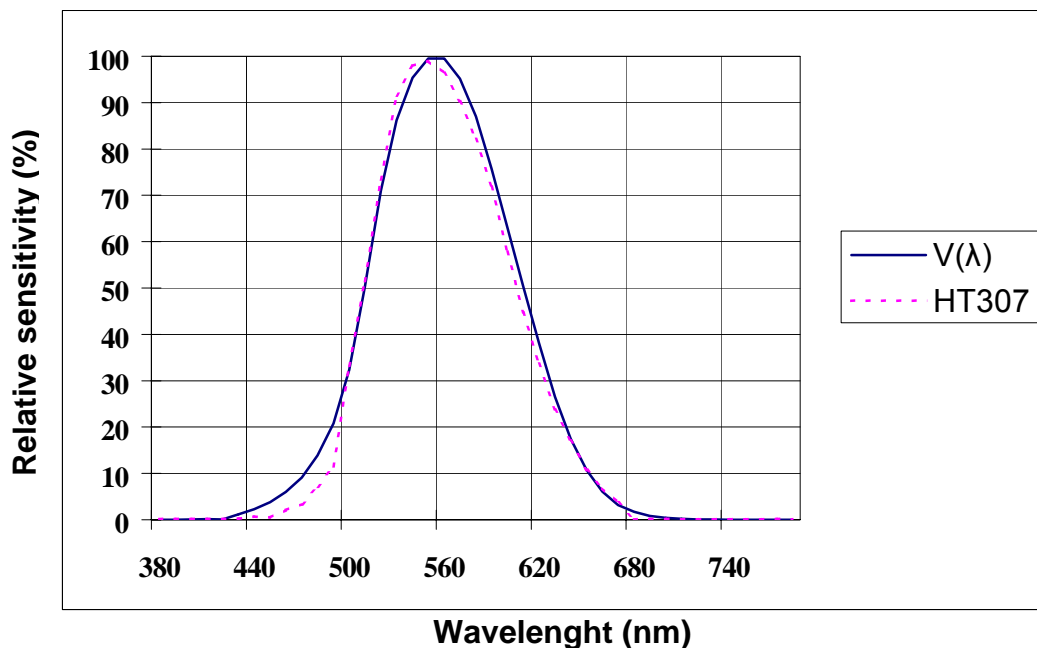


Photo detector

The photo detector is a silicon photodiode with spectral response filter.

2. GENERAL SPECIFICATIONS

Mechanical characteristics

Size: 172(L) x 55(W) x 38(H)mm
Weight (including battery): about 250g

Supply

Battery type: 1 battery 9V type 6LR61
Low battery indication: "⊕" is displayed when the battery level is too low.
Battery life: About 200 hours (carbon zinc.).

Display

Characteristics: 5 digit LCD with "OL" indication.
Sample rate: 2.5 times/sec

Standards considered

Refer standard: measure according to JIS C 1609:1993 and CNS 5119
general Class A specification

ENVIRONMENTAL CONDITIONS

Climatic conditions

Reference temperature: $23^{\circ} \pm 5^{\circ}\text{C}$
Operating temperature: $-10 \div 40^{\circ}\text{C}$
Operating humidity: $<80\% \text{ RH}$
Storage temperature: $-10 \div 50^{\circ}\text{C}$
Storage humidity: $<70\% \text{ RH}$
Internal use: max. 2000m
Pollution degree: 2