



1. TECHNICAL SPECIFICATIONS

Accuracy is indicated as [% rdg]. It is referred to the following reference conditions: 23°C ± 5°C with RH < 80%. The luxmeter is calibrated with standard incandescent lamp at color temperature 2856 K and corrected LED in white, yellow, green, blue, red LED light spectrum

Illuminance measurements (Aurorange)

| | | | | | |
|------------------|------------|--|----|-----|------|
| Range (Lux) | 40 400 | | 4k | 40k | 400k |
| Resolution (Lux) | 0.01 0.1 | | 1 | 10 | 100 |
| Accuracy | ± (3% rdg) | | | | |

| | | | | |
|-----------------|------------|--|----|-----|
| Range (Fc) | 40 400 | | 4k | 40k |
| Resolution (Fc) | 0.01 0.1 | | 1 | 10 |
| Accuracy | ± (3% rdg) | | | |

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

Luminous intensity measurements (Aurorange)

| | | | | | |
|----------------|--------------------------------|--|--|--|--|
| Range (Cd) | depend on Lux(Fc) measurements | | | | |
| Range distance | 0.01 ÷ 30.47m (0.01 ÷ 99.99ft) | | | | |

- Luminous intensity (Cd) = Illumination (Lx/Fc) x distance (m²/ft²)

Specifications

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

Light source specifications

| | | | | | | |
|---------------------|---------|-------------|--------|-------|-------|--------|
| LED colour | White R | ed | Yellow | Green | Blue | Purple |
| Light source factor | 0.99 | 0.516 0.815 | 1.216 | 1.475 | 1.148 | |

Spectral sensitivity

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

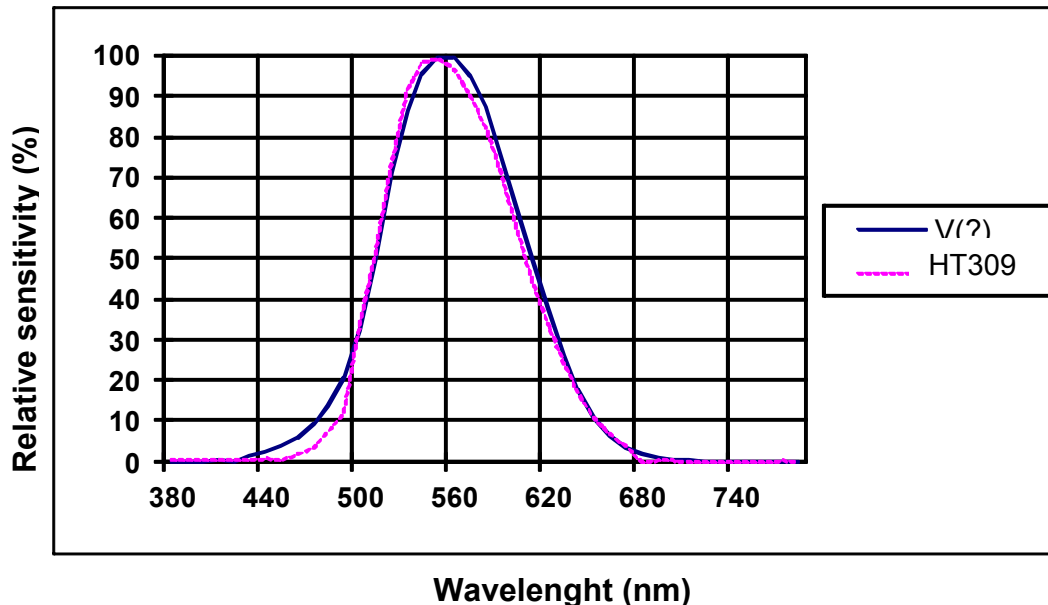


Photo detector

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



2. GENERAL SPECIFICATIONS

Features

Data HOLD
MAX/MIN/AVG
Digital Zero adjustment
Autorange
Internal memory: max 99 locations
Recall and Clear memory

Mechanical characteristics

Meter sizes: 130(L) x 55(W) x 38(H)mm
Sensor sizes: 80(L) x 55 (W) x 25(H) mm
Weight (including battery): 250g

Supply

Battery type: 1x9V type IEC 6F22 JIS 006P
Low battery indication: "⚡" is displayed when the battery level is too low.
Battery life: about 200 hours
Auto Power OFF: after 5 minutes of idleness (disable)

Display

Characteristics: LCD, 4000 points, with "OL" indication.
Sample rate: 2.5 times/sec

Standards considered

Standard guidelines: 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: $-5 \div 40^{\circ}\text{C}$
Operating humidity: <80% RH
Storage temperature: $-10 \div 60^{\circ}\text{C}$
Storage humidity: <70% RH
Max altitude of use: 2000m
Pollution degree: 2

This product conforms to the prescriptions of the EMC directive 2004/108/EEC