



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 (Aurorance)

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 (Aurorance)

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	Red	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.

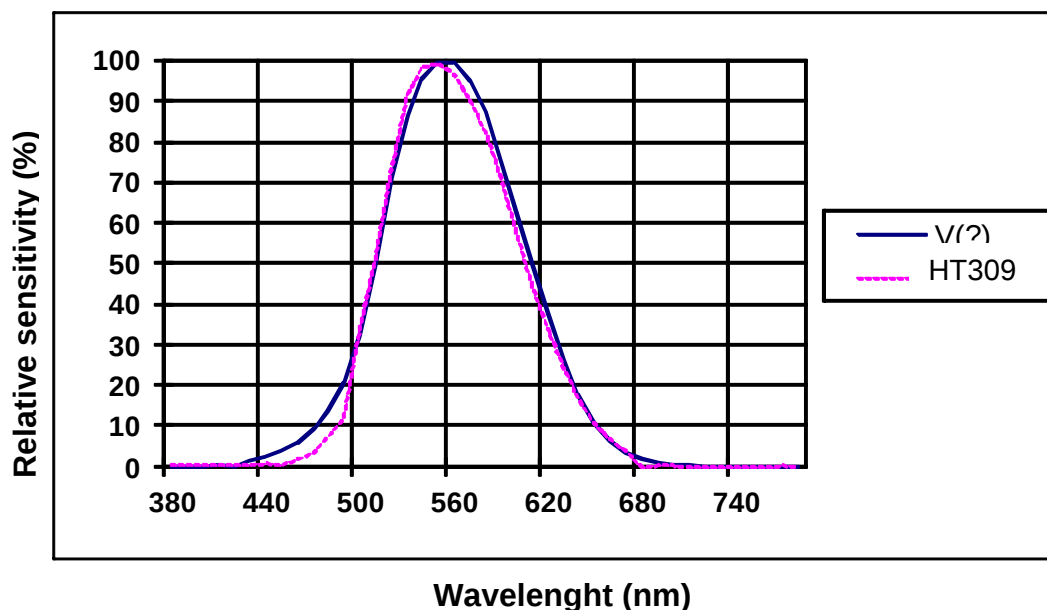


Photo detector

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

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