Tenmars TM-215

LUX/FC Datalogging Light Meter Up to 400,000 Lux

SKU: TENTM215BL
Manufacture Warranty period: 12 months
Country of Origin: Taiwan

Introduction:

Lux Light Meter is designed for measuring Luminance (unit: Lux/FC) and Luminous intensity (unit: candela or CD), while complying with the specifications:

- DIN5032-7-2017 Class C,
- JJG 245-2005 Class B,
- JIS C 1609-1: 2006 Class A,
- CNS5119.

Features

- Display of reading: LCD display with 4 digits, where the maximum number shown is 9999.
- Unit: LUX /FC/CD
- Data holding function (HOLD)
- Automatic and manual shifting
- Backlight display
- Auto power off (15 minutes after last usage) and disable the function.
- Maximum/minimum hold.
- Overload indication: “OL”.
- Datalogging capacity 7000 records.
- Interval of data storage: 1 second to 10 days.
- Low battery indication
- Average of 4 or 5 point
- Transmittance measurements

Electric Specifications:

Accuracy is specified for ambient temperatures between 15 to 28°C

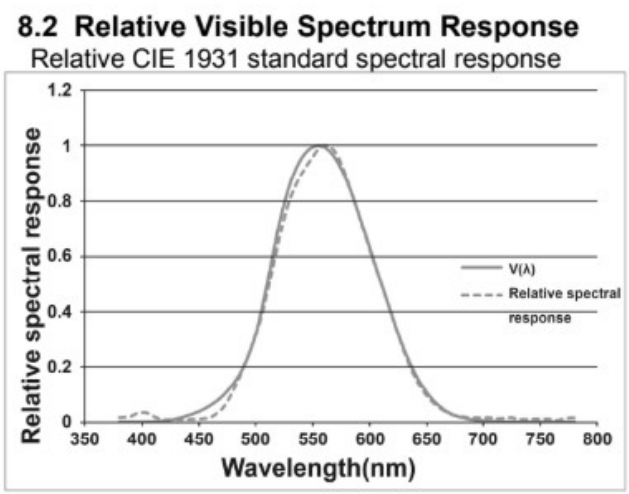
Measuring range:	400.0, 4,000, 40,000, 400,000 Lux
	40.00, 400.0, 4,000, 40,000 Foot-Candle
Resolution:	0.1, 1, 10, 100 Lux
	0.01, 0.1, 1, 10 Foot-Candle
Accuracy:	±3% (for light source A of 2856˚K)
Relative Spectral response (f1´):	±8% CIE visible light V(λ)
Cosine characteristic (f2):	±6%
Oblique incident light characteristic (angle):	10˚: ±1.5%
	30˚: ±3%
	60˚: ±10%
	80˚: ±30%
Linearity (JISC 1609-1:2006) (Accuracy of various light sources):	< 3000 Lux: ±5% with reading ± 1
	3000 Lux to 9999 Lux: ±7.5% with reading ± 1
	>10000 Lux (930 FC) N/A
Initial adjustment (fADJ) DIN5032 Part7 JJG 245-2005:	±5% with reading ±1
Linearity(f3) DIN5032 Part7 JJG 245-2005:	±2.5%
Range change(f11):	±2%
Fatigue(f5):	-1%
IR response(fIR):	±4%
UV response(fUV):	±2.5%
Temperature(f6T):	±1%
Response time:	Auto shifting: ≦5 seconds
	Manual shifting: ≦2 seconds

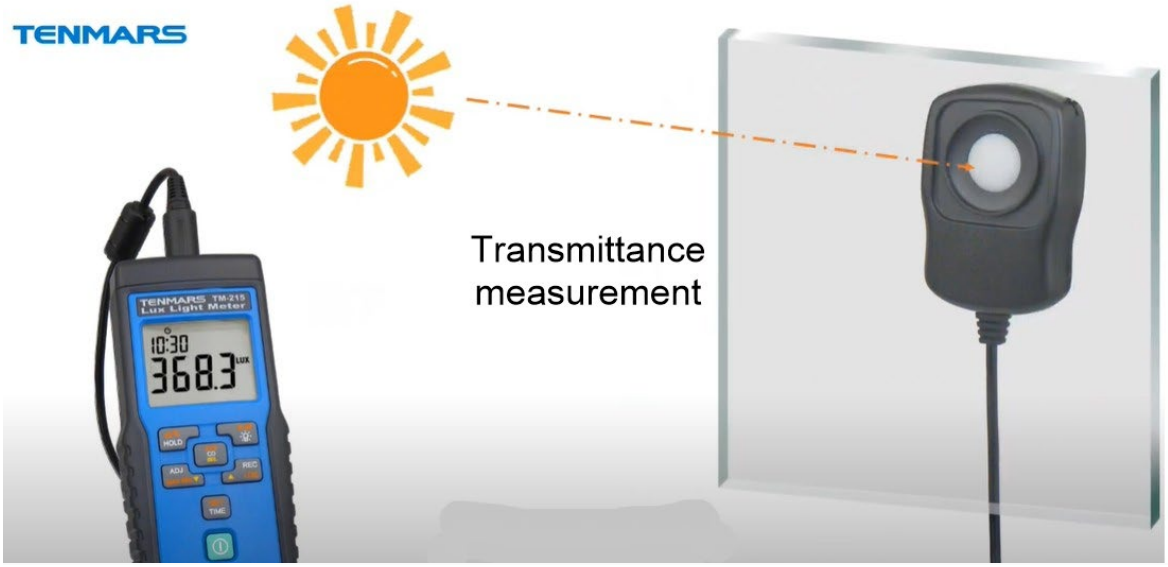
Dimensions

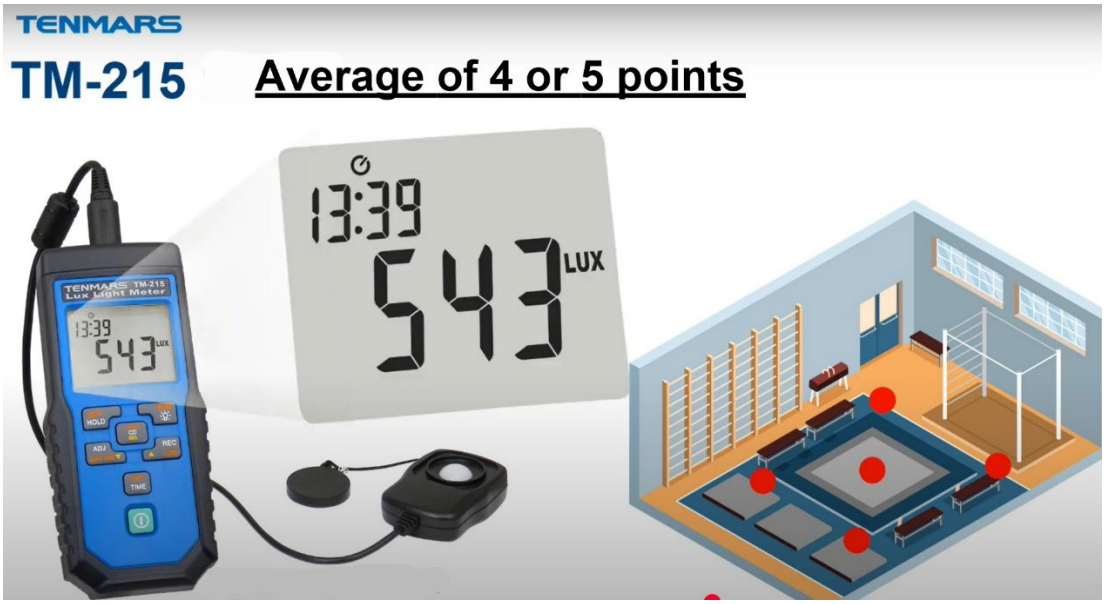
Dimensions:	140 x 65 x 37.5mm (Length x Width x Height)
Sensor:	81 x 57 x 28mm (Length x Width x Height)
The line length of the light receiver:	Approximate 100cm
Weight	Approximately 300 grams

Package includes:

1 x TM-215 meter with Light receiver	1 x User Manual
1 x AC 100~240V to DC 9V/0.5A(9mm) Adaptor	1 x 9V Battery
1 x CD Software and USB Cable (1m)	1 x Soft carrying case


8.2 Relative Visible Spectrum Response
Relative CIE 1931 standard spectral response
Relative spectral response
1.2
1
0.8
0.6
0.4
0.2
0
350 400 450 500 550 600 650 700 750 800
Wavelength(nm)
V(λ)
Relative spectral response


TENMARS
Transmittance measurement
TENMARS TM-215 Lux Light Meter
10:30
368.3 LUX


TENMARS
TM-215
Average of 4 or 5 points
13:39
543 LUX
TENMARS TM-215 Lux Light Meter