DESCRIPTION

Illuminometer for fast and accurate light measurement / 2.5 measurements per second / 1, 5 metre long sensor cable / zero adjustment / automatic range selection / battery-operated hand-held device / measurement in lux or footcandle

A illuminometer is used wherever a light check is necessary or recommended. The external light sensor of the illuminometer can be positioned according to requirements. The sensor cable has an extended length of approx. 1.5 metres. Different work or production projects require different lighting conditions. These lighting conditions can be created by using different light sources. Below you will find recommendations for lighting conditions in schools, factories or offices. Our illuminometer can show measured values on the display as soon as it is switched on. Various presettings can also be used to activate or deactivate the functions built into the device. These functions include the normal HOLD function, which freezes the measured value in the display. The extreme values and the average value can also be frozen in the display. Other functions of the illuminometer include zero adjustment, automatic switch-off and automatic range selection.

Measurements can be taken with the LED luxmeter in lux or food candle. The device is operated using just seven buttons, which enables one-handed operation. Our LED luxmeter is a battery-operated handheld device, making mobile measurements possible.

The external sensor of the illuminometer has a large exposure area. It is located on a coiled power cable, which reaches a length of around 1.5 metres when extended. There is a protective cap on the light sensor that protects the sensor from damage and wear. It should always be placed on the sensor if it is not to be used for a longer period of time. The protective cap is also required if a zero adjustment is to be carried out on the LED luxmeter.

HIGHLIGHTS

- Ergonomically shaped light sensor
- Accuracy aligned to LED white light
- Battery status indicator
- Automatic switch-off
- Overload indicator
- Optional measurement of lux or fc
- MIN- / MAX- / AVG-HOLD
- 2, 5 measurements per second
- zero adjustment
- automatic range selection
- **for measurements on LED light sources**

SPECIFICATION

Lighting intensity	
Measuring range	0 lx ... 40 lx
Resolution	0.01 lx
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	40 lx ... 400 lx
Resolution	0.1 lx
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	400 lx ... 4000 lx
Resolution	1 lx
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	4000 lx ... 40000 lx
Resolution	1 lx
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	40000 lx ... 400000 lx
Resolution	1 lx
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	0 fc ... 40 fc
Resolution	0.01 fc
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values

Lighting intensity	
Measuring range	40 fc ... 400 fc
Resolution	0.1 fc
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	400 fc ... 4000 fc
Resolution	1 fc
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
Lighting intensity	
Measuring range	4000 fc ... 40000 fc
Resolution	1 fc
Accuracy	±3 % v.Mw. @ LED illuminant 2856 K, other visible light: ±6 % of the standard values
General technical data	
Measurement functions	MIN, MAX, HOLD, average value
Units	lx, fc
Display type	LCD
Display size	2.8 inch
Measurement rate	2.5 s
Memory medium	Internal memory
Memory capacity	99 values
Standard(s)	JIS C1609:1993, CNS 5519
Sensor	Silicone photodiode with built-in filter
Automatic switch-off	5 min
Automatic switch-off can be deactivated	Yes
Sensor length	12 cm
Light source	Measurable: White LED and any other visible light
Reproducibility	±3 % (with a standard incandescent light source at 2856 K and LED white light) ±6 % with other visible light sources
Sensor cable length	1.5 m
Menu language	English (US)
Protection class (device)	IP52
Weight	311.5 g
Dimensions (L x W x H)	166 x 90 x 36 mm

Operating conditions	5 ... 40 °C , 0 ... 70 % r.H
Storage conditions	-10 ... 60 °C , 0 ... 70 % r.H
Accumulator/battery	3x 1.5 V AA battery , alkaline-manganese

DELIVERY SCOPE

1 x Illuminometer PCE-LED 30
1 x light sensor with protective cap
3 x battery 1.5 V AA
1 x carrying case
1 x operating instructions