LED LIGHT METER

PCE-LED 30



- **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****

A LED light meter is used wherever a light check is necessary or recommended. The external light sensor of the LED light meter 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 LED light meter 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 LED light meter 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 LED light meter 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.

Specification

Light	
Measuring range	0 ... 40 lx
Resolution	0,01 lx
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	40 ... 400 lx
Resolution	0,1 lx
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	400 ... 4000 lx
Resolution	1 lx
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	4000 ... 40000 lx
Resolution	1 lx
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	40000 ... 400000 lx
Resolution	1 lx
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	0 ... 40 fc
Resolution	0,01 fc
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	40 ... 400 fc
Resolution	0,1 fc
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	400 ... 4000 fc
Resolution	1 fc
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd
Light	
Measuring range	4000 ... 40000 fc
Resolution	1 fc
Accuracy	±3 % of Rd @ LED illuminant 2856 K, other visible light: ±6 % of Rd

General technical data	
Measuring functions	MIN, MAX, HOLD, Average value
Units	lx, FC
Display type	LCD
Display size	2,8 Inch
Measuring rate	2,5 s
Storage medium	Internal memory
Storage capacity	99 Values
Standard(s)	JIS C1609:1993., CNS 5519
Sensor	Silicon photodiode with built-in filter
Automatic power-off	5 min
Sensor length	12 cm
Light source	Measurable: white LED and any other visible light
Reproducibility	±3 % (with a standard incandescent illuminant at 2856 K and LED white light) ±6 % with other visible light sources
Sensor cable length	1.5 m
Menu language	English
Protection class (device)	IP52
(Rechargeable) battery	3 x 1,5 V AA battery , Alkali-manganese
Operating conditions	5 ... 40 °C , 0 ... 70 % RH
Storage conditions	-10 ... 60 °C , 0 ... 70 % RH
Dimensions (L x W x H)	166 x 90 x 36 mm
Weight	311,5 g