LUXMETER

PCE-170 A



- **Large 5-digit LCD display**
- **Measurement range from 0.00 to 40,000 lux**
- **Resolution of 0.01 lux in a range up to 39.99 lux**
- **Sensor: silicon photodiode**
- **Corrected cosine angle**
- **HOLD function**
- **Fast and accurate response**
- **Auto shut-off after 30 min.**
- **1 x 9V battery and carrying case**
- **Selectable units: lx and fc (fc = footcandle; 1 fc=10,764 lx)**
- **Selectable manual or automatic range**

The Light Meter is well-known for its durability as well as its good quality at a good price. The Light Meter has a wide measurement range. Thanks to its fast response time and compact housing you can use this meter with just one hand. The Light Meter can be used even by inexperienced personnel. With the Light Meter you will be able to perform a professional valuation. The Light Meter can be widely used within the industrial sector. For example, it is possible to check light conditions in workplaces, warehouses, industries and apartments with the Light Meter.In addition, emergency escape routes can be tested with the Light Meter for proper illumination.

The Light Meter is an irreplaceable instrument to prevent occupational hazards and it meets professional standards. Workplaces will become safer and you will save expenses. Latest research has discovered that too little as well as too much illumination in a workplace can be harmful for humans. You can also check illumination at home, in your dining-room for instance. The digital Light Meter measures in Lux units (lumen/m^2 or lumen/$foot^2$). This solid and portable Light Meter provides very accurate results and comes with a zero-reset function when it is on. It also has a sensor with a response curve for all the visible spectrum. Light is measured by means of a silicon photodiode independently from the extension and direction of the light source.

Specification

Light	
Measuring range	0 lx ... 40 klx
Resolution	0,01 lx
Accuracy	±10% of the measured value (of m.v.) +5 digits (corresponds to class B / DIN 5032 part 7)

Light	
Measuring range	0 fc ... 4 kfc
Resolution	0,001 fc
Accuracy	±10% of the measured value (of m.v.) +5 digits (corresponds to class B / DIN 5032 part 7)

General technical data	
Units	lx, FC
Display Typ	LCD
Measuring rate	2 Hz
Classification	Class B
Norm(en)	DIN 5032-7
Operating time	170 h
Measuring range selection	Manual, Automatic
Measuring range selection Additional information	0.00 bis 39.99 / 399.9 / 3999 / 39990 lx 0.000 bis 3.999 / 39.99 / 399.9 / 3999 fc
Operating height	2000 m max. above sea level
Menu language	English (US)
Protection class (device)	IP20
Battery/battery	1 x 9 V 9V Block , Alkali-Manganese
Battery capacity	640 mAh
Operating conditions	0 ... 40 °C , 0 ... 90 %RH
Storage conditions	-10 ... 50 °C , 0 ... 70 %RH
Dimensions (L x W x H)	196 x 54 x 34 mm
Weight	150 g

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