Lux Meter PCE-172

Lux Meter PCE-172 for fast and accurate light measurement

The Lux Meter PCE-172 is used to measure the lighting conditions in industry, agriculture and research.Increasingly, the lux meter is also used to test lighting in workplaces, in the decoration of shop windows and by designers.It meets international standards for this type of lux meter.

The lux meter provides measurement results in Lux and FootCandle units, where 1 fc is equal to 10.70 lux.Calculator for the conversion of lux. The device automatically detects the peak value if this value lasts for at least 10 µs.Due to the selectable measuring range the lux meter PCE-172 has high accuracy.The handling is very easy. This lux meter can also be used by untrained persons.However, it is always important to take into account in a lux measurement that certain conditions are met. For example, the distance and angle between the lux meter and the object to be measured should be set as accurately as possible in order to achieve reproducible results.

▶ Easy to use
▶ Solid design
▶ 3½ position LCD; maximum reading is 1999
▶ Measurement units can be displayed in lux or footcandles
▶ Battery level indicator
▶ "Overload" indication to warn when measurement range is exceeded

Specifications

Ranges	400.0/4000/lux
	40.00/400.0 klux (1 klux = 1000 Lux)
	40.00/400.0/4000/fc
	40.00 kfc (1 kfc = 1000 fc)
Resolution	0.1/1/10/100 lux
	0.01/0.1/1/10 FootCandle
Accuracy	± 5% of reading ±10 digits (<10,000 lux)
	± 10% of reading ±10 digits (>10,000 lux)
Repeatability	± 3%
Overload indicator	OL = Overload
Screen refresh rate	1.5 per second
Operating conditions	0 ... 40ºC / 32 ... 104°F, 80% r.h.
Display	3¾ digit LCD
Power	9V battery
Dimensions	Device: 206 x 95 x 45 mm / 7.9 x 2.9 x 1.9 in
	(width x height x depth)
	Light sensor: 115 x 60 x 20 mm / 4.5 x 2.3 x 0.7 in
	(width x height x depth)
	Cable length: 95 cm / 59 in
Weight	265 g / < 1 lb
Standards	Safety: IEC-1010-1; EN 61010-1
	EMV: EN 50081-1; EN 50082-1 corresponding with DIN 5031; DIN 5032

More information

Manual

More product info

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