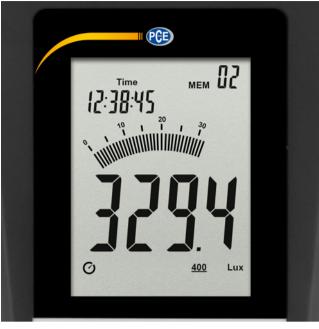# Lux Meter PCE-174

Lux Meter with data logger PCE-174
for measuring light with memory and interface

The PCE-174 Lux Meter with memory for up to 16,000 readings is used for measuring light in industry, agriculture, and research. The Lux Meter is also used for determining illumination in the workplace, shop window displays, and by designers. It meets with all international standards within the category for Lux Meters. The Lux Meter displays measurement results in lux and FootCandle. Please consider that 1 FC is equal to 10.70 lux. The device automatically detects the peak value, when this value is retained for a minimum 10 µs. Thanks to the possibility of selecting the measurement range, the PCE-174 Lux Meter converts into a high precision instrument that is easy to use. The Lux Meter can also be used by inexperienced personnel. Of course, when light is being measured, the ambient conditions must be taken into consideration. As such, the distance must be fixed and the angle between the Lux Meter and the object being measured to obtain result of the highest repeatability.

▶ Easy to use
▶ Minimum, maximum and hold functions
▶ Backlight display
▶ 3 3/4 digit LCD; with 41 segment graphic bar
▶ Displays readings in lux or FootCandle
▶ Battery level indicator
▶ Auto shut-off
▶ The Overload indicator shows when the measurement range has been exceeded

Specifications

Ranges	40.0 / 400.0 / 4000 / lux
	40.00 / 400.0 klux
	40.00 / 400.0 / 4000 / fc
	40.00 kfc
Resolution	0.01 / 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%
Memory	16.000 readings
Rate of measurement	Between 2 seconds and 9 hours
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: 203 x 75 x 50 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: 150 cm
Weight	280g / < 1 lb
Standards	Safety: IEC-1010-1; EN 61010-1
	EMV: EN 50081-1; EN 50082-1 corresponding with DIN 5031; DIN 5032