

## Technical Data Logger PCE-174

### PCE-174 Data Logger with data logger for measuring light with software and interface

The PCE-174 Data Logger with memory for up to 16,000 readings is used for measuring light in industry, agriculture and research. The Data- Logger with data logger 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 Data- Logger with data loggers.

The Data- Logger with data logger 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  $\mu$ s. Thanks to the possibility of selecting the measurement range, the PCE-174 Data- Logger with data logger converts into a high precision instrument. It is easy to use. This Data- Logger with data logger 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 Data- Logger with data logger 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

### Technical specifications

Ranges	400.0 / 4000 / lux 40.00 / 400.0 klux 40.00 / 400.0 / 4000 / fc 40.00 kfc
Resolution	0,1 / 1 / 10 / 100 lux 0,01 / 0,1 / 1 / 10 FootCandle
Accuracy	$\pm$ 5% of reading $\pm$ 10 digits (<10,000 lux) $\pm$ 10% of reading $\pm$ 10 digits (>10,000 lux)
Repeatability	$\pm$ 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 to 40°C / 80% r.h.
Display	3¾ digit LCD
Power	9V battery
Dimensions	Device: 203 x 75 x 50mm (width x height x depth) Light sensor: 115 x 60 x 20mm (width x height x depth) Cable length: 150cm
Weight	280g
Standards	Safety: IEC-1010-1; EN 61010-1 EMV: EN 50081-1; EN 50082-1 corresponding with DIN 5031; DIN 5032

**Delivery Contents:**

- 1 x PCE-174 Data Logger
- 1 x light sensor
- 1 x software
- 1 x USB cable
- 1 x battery
- 1 x carrying case
- 1 x user's manual