

Lux meter

testo 545 – Digital Lux measuring instrument with App connection

Simple, fast and precise measurement of illuminance (Lux) according to the V-lambda curve for all common light sources

Wide range of applications due to LED compatibility (except single-colour blue LED)

Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App

Audible alarm sounds if a limit value is exceeded

Timed and point mean value calculation



Bluetooth 5.0 + App 

testo Smart App for free download

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App Store



Illuminance is a decisive factor for productivity, well-being and health, especially in workplaces. Light sources that are too bright dazzle, while those that are too dark can lead to concentration problems and headaches.

With the Lux meter testo 545 you can measure the **illuminance of all common light sources** - quickly, easily and precisely. The measuring instrument is compatible with almost all commercially available LEDs and thus ensures you a wide range of applications.

By automatically calculating the time and point average value, the Lux meter shows you all relevant information at a glance.


The testo 545 is perfectly complemented by the testo Smart App. This not only allows you to configure the measuring instrument, display and store the measured values, and document them in a particularly convenient way. The App also turns your smartphone into a second display.

Ordering data / technical data / accessories

testo 545

testo 545, Lux measuring instrument with App connection and audible alarm, incl. transport bag, calibration protocol and 3 x AA batteries

Order no. 0563 1545




The testo Smart App

- Simple and fast: Measurement menus for numerous applications provide optimum support in configuring and carrying out the measurement
- Clear graphical presentation of readings, e.g. as a table, for quick interpretation of results
- Create digital measurement reports including photos as PDF/CSV files on site and send via e-mail




Free download for Android and iOS



| Sensor type | Silicon photodiode |
|------------------------|--|
| Measuring range | 0 to 100,000 lux |
| Accuracy ±1 digit | Class C, corresponding to DIN 5032-7 / EN 13032-1, Appendix B f1 = 6% = V(Lambda) adjustment f2 = 5% = cos-true evaluation Total ≤15% ±3% of m.v. ±1 digit |
| Resolution | 0.1 Lux (< 10,000 Lux) 1 Lux (≥ 10,000 Lux) |
| General technical data | |
| Operating temperature | Measuring instrument: -10 to +50 °C Probe: 0 to +50 °C |
| Storage temperature | -20 to +50 °C |
| Battery type | 3 x AA |
| Battery life | 70 h |
| Dimensions | Measuring instrument: 149 x 60 x 28 mm Probe: 134 x 54 x 23 mm Cable length 1.4 m |
| Weight | 288 g |
| Protection class | Measuring instrument: IP 40 Probe: IP20 |
| Housing material | ABS + PC / TPE |

| Accessories | Order no. |
|--|-----------|
| testo Bluetooth® printer, incl. 1 roll of thermal paper, rech. battery and mains unit | 0554 0621 |
| Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years | 0554 0568 |
| ISO illuminance calibration certificate Calibration points 0; 500; 1000; 2000; 4000 lux | 0520 0010 |

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Subject to change, including technical modifications.

