

Data sheet
testo 545

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

Be sure. **testo**



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.