

Light intensity measuring instrument

testo 545 - Lux meter with
measurement site management

Selection of up to 99 measurement sites

Logger function

Point or timed mean value calculation

Quick documentation on site with Testo fast printer



In order for light to be good light, the light intensity at workplaces, in hospitals, offices or schools must meet certain minimum values.

testo 545 is ideally suitable for testing and monitoring light intensity. Using the software available as an option, the user can create different measurement sites, and connect individually stored light intensity values to a curve. This „light profile“ provides information on the regularity of the lighting.

With the integrated logger function, up to 3000 measurement values can be stored in the instrument. This allows the user to monitor the light intensity even over a longer period. The measurement results can be printed out directly on site with the Testo fast printer.

Technical data / Accessories



Sensor type	Silicone photodiode
Measuring range	0 to +100000 Lux
Accuracy ±1 digit	Accuracy to DIN 13032-1: f1 = 6% = V (Lambda) adaptation f2 = 5% = cos like rating
Resolution	1 Lux (0 to +32000 Lux) 10 Lux (0 to +100000 Lux)

General technical data	
Display	LCD, 2 lines
PC	RS232 interface
Connection	Fixed cable, coiled
Memory	3000
Operating temperature	0 to +50 °C
Storage temperature	-20 to +70 °C
Battery type	9V block battery
Battery life	50 h
Dimensions	220 x 68 x 50 mm
Weight	500 g
Housing material	ABS
Warranty	2 years

Accessories	Part no.
Accessories for measuring instrument	
Transport case (plastic) for measuring instrument, probes and accessories for safe and orderly storage	0516 0445
Case for secure storage of measuring instrument	0516 0191
Testo fast printer IrDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549
9V rech. battery for instrument instead of battery	0515 0025
Recharger for 9V rechargeable battery for external recharging of 0515 0025 battery	0554 0025
Spare thermal paper for printer (6 rolls), permanent ink measurement data documentation legible for up to 10 years	0554 0568
ComSoft Professional, Pro software incl. data archiving	0554 1704
RS232 cable connects instrument to PC (1.8 m) for data transfer	0409 0178
ISO calibration certificate/light; Calibration points 0; 500; 1000; 2000; 4000 Lux	0520 0010

