

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 |

| 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 |
| 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 |

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Non-Destructive Test (NDT) Equipment

تأمین تجهیزات و مواد مصرفی تست های غیر مخرب ایران
۰۹۱۲۰۲۶۶۲۷۰