



testo 545

Light meter/logger with location management and mean calculation



Measuring light in the workplace



Mean calculation in a repro studio



Light profile measurement in a museum



Integrated location management

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To insure proper lighting, the **testo 545 Light Meter** accurately measures and quickly stores light values.

Mean calculation

The mean value can be calculated at the touch of a button from measured values (max. 99). This is particularly helpful when, for example, the mean light intensity on a table surface is to be measured.

Data/Location management

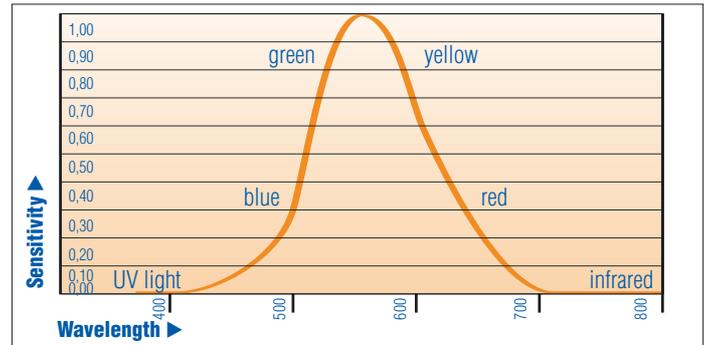
Data and locations can be entered and saved on-site with the **testo 545**. Using Comfort software (accessory), measurements can be downloaded and analyzed easily and conveniently.

The light parameter

Approximately 80 % of all sensations are experienced by the eye. Light is required for this purpose. Accurately measuring this light is easy and convenient using the **testo 545**.

Adapting to the human eye

Our eyes are much more sensitive to yellow/green light than to blue and red light. A special optical filter in the **testo 545** allows the instrument to reconstruct the response of the human eye. A special photo diode cell converts this light into an electronic signal which is then displayed.



Technical data

Sensor:	Silicon photodiode	
Measuring range:	0 to 10,000 fc	0 to 100,000 lux
Accuracy:	To DIN 5032, Part 6 f ₁ = 8 % f ₁ = V (λ) adaptation f ₂ = 5 % f ₂ = cos like rating	
Resolution:	0 to 3,200 fc 0.1 fc	0 to 10,000 fc 1 fc
	0 to 32,000 Lux 1 Lux	0 to 100,000 Lux 10 Lux
Display:	2 line display Line 1: Reading Line 2: Location	
Battery lifetime:	9 V IEC 6F22 > 45 h AI-Mn	
Battery check:	Automatically in 4 stages	
Operating temperature:	32 to +120 °F	
Storage temperature:	-4 to +160 °F	
Dimensions:	9" x 3" x 2" (Instrument)	
Weight:	18 ozs. (incl. packaging)	
Warranty:	2 years	

Other features:

- HOLD/MAX/MIN values
- Timed mean calculation
- Multi-point mean calculation of 99 measurement points - logs contents (memory or printout):
 - Separate values
 - MAX/MIN value
 - Mean
- Up to 99 locations can be selected
- Logger function stores to 3,000 readings
- Prints functions as well as memory contents on Testo Infrared Printer

Mean calculation

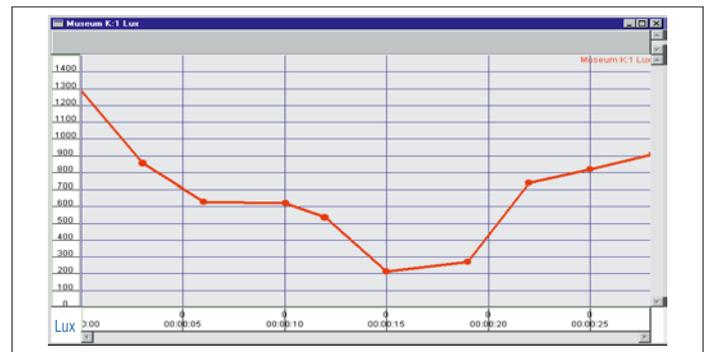
Two mean calculation functions, timed and multi-point, are available to the user. The mean values can be saved in the memory and printed.

Location management

A special feature of **testo 545** is its location management function. Up to 99 readings can be allocated to the locations which ensures clear identification and documentation.

Convenient data analysis

By using Comfort software, the information from **testo 545** can be downloaded and a location list can be saved. Separately saved light intensity values can be connected to form a curve using Professional software. This "light profile" provides information on the uniformity of the lighting on i.e. repro tables, paintings, in halls etc..



Ordering Information:

Qty.	testo 545 instrument and accessories	Part no.
	testo 545 incl. probe, batteries, instruction manual and calibration certification	0560.0545
	TopSafe Protective Case incl. bench stand and belt clip, to protect the instrument against impact, dirt...	0516.0441
	Case, for secure storage of instrument	0516.0191
	Recharger for printer (with 4 standard rech. batt.) Rechargeable batteries are recharged externally	0554.0110
	Spare thermal paper for printer (6 rolls)	0554.0569
	Enhanced thermal paper for printer (6 rolls) Print outs legible for up to 10 years	0554.0568
	Testo infrared printer, prints measured data with date and time on location	0554.0545
	Comfort software incl. data base, analysis and graphics function	0554.0273
	ComSoft 3 Software for data management incl. data base, analysis and graphics function, data analysis, and trend curve	0554.0830
	RS232 cable, connects instrument to PC (4 ft) for data transfer	0409.0178
	Transport case, (plastic) for instrument, probes, accessories, now larger for safe and orderly storage	0516.0445
	NIST calibration certification	0520.0010

Information and prices subject to change without notice.