



NEW

### Measuring luminous intensity with mean calculation, memory and location management

In order to have good quality light, the luminous intensity in places of work, hospitals, offices or schools has to fulfill specific minimum values. This can be measured and documented efficiently using the **testo 545**.

Outstanding features are as follows:

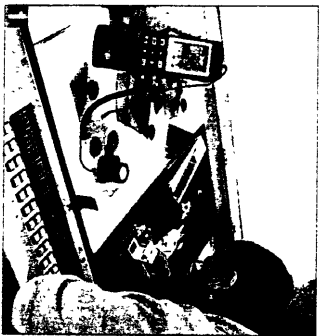
- Timed mean calculation
- Multi-point mean calculation via 99 measurement points
- Up to 99 locations can be selected
- Logger function (3000 meas. values)
- Prints functions as well as contents of memory on infrared printer

### Examples of luminous intensities to DIN 5035, Part 2:

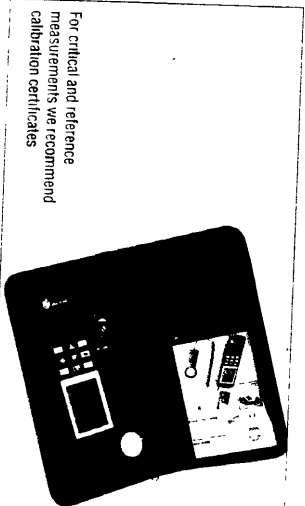
- **Offices** Lux 300  
Office rooms  
Typing, drafting areas (Fig. 1)
- **Factories** Lux 750  
Visual work on production lines (Fig. 2)
- **Hotels** Lux 1000  
Public areas
- **Reception, cashier points** Lux 200
- **Stores** Lux 200
- **Snow windows** Lux 1500 – 2500
- **Hospitals** Lux 100 – 150  
Wards  
Emergency treatment areas
- **Schools** Lux 500  
Auditoriums, indoor gymnasiums  
300  
Classrooms 400 – 700

### Convenient data analysis

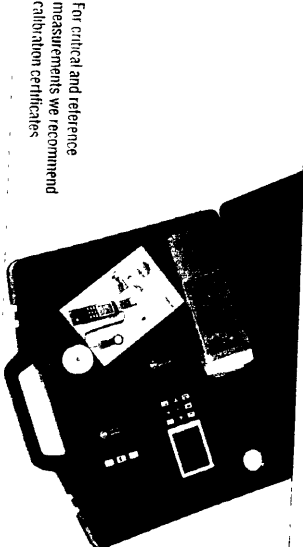
Using Comfort software, Light or Professional version, the information in **testo 545** can be downloaded and a location list can be saved. Using Professional software, separately saved luminous intensity values can be connected to form a curve. This "light profiler" provides information on the uniformity of the lighting e.g. in repro tables, for paintings, in halls etc.



### Recommended sets:



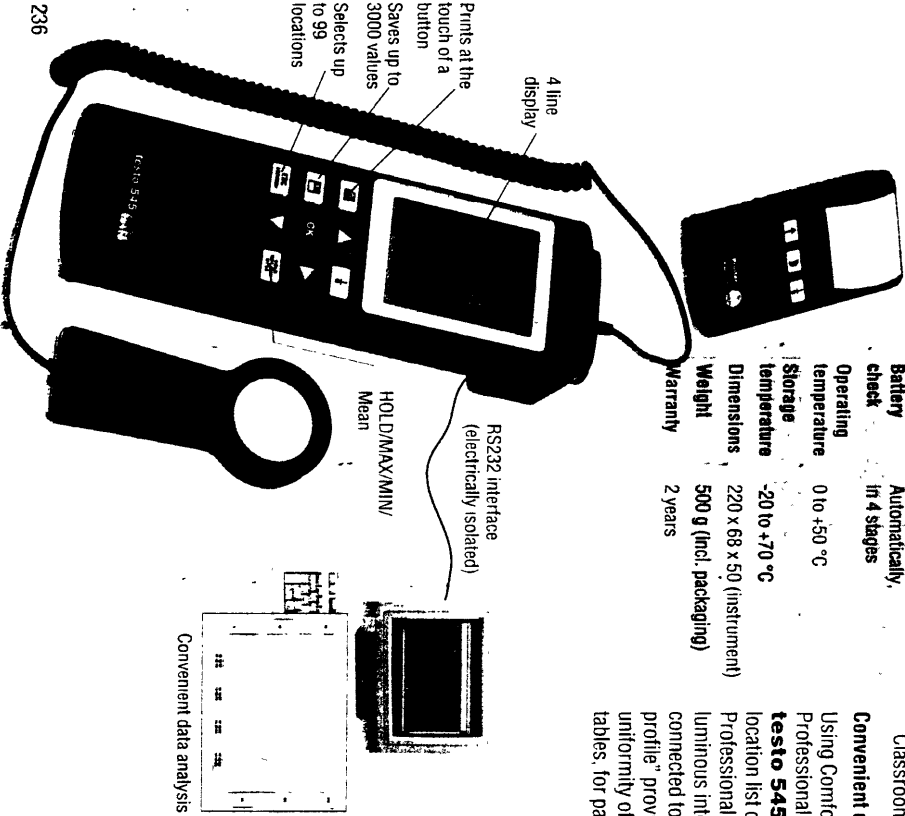
For critical and reference measurements we recommend calibration certificates



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### Ordering data for testo 545

1. **Measuring instrument and accessories** Available in March
2. **testo 545**
3. **TopSafe (indestructible protective case)**
4. **Testo log printer**, with 4 AA batteries and 1 roll of thermal paper
5. **Comfort software "Light"** for data management
6. **'Comfort software "Professional"** for data management
7. **Transport case**
8. **RS232 cable**
9. **ISO calibration certificate**

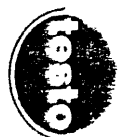


- **Sensor** Silicon photodiode
- **Meas. range** 0 to 100,000 Lux
- **Accuracy**  $\pm 0.5\%$  to DIN 5032, Part 6  
 $\pm 1\%$   $\pm V(\lambda)$  adaptation  
 $\pm 2\%$   $\pm 5\%$   
 $\pm 2\%$   $\pm 5\%$   $\pm 10\%$   $\pm 10\%$
- **Resolution**, 0 to 32,000 Lux 1 Lux  
can be switched 0 to 100,000 Lux 10 Lux
- **Display** 2 line LCD and 2 matrix lines
- **Battery** 9 V/EC 6F22
- **lifetime** > 50 h A-Mn
- **Battery check** Automatically, in 4 stages
- **Operating temperature** 0 to +50 °C
- **Storage temperature** -20 to +70 °C
- **Dimensions** 220 x 68 x 50 (instrument)
- **Weight** 500 g (incl. packaging)
- **Warranty** 2 years

Convenient data analysis

**testo 545**  
with probe

With calibration protocol

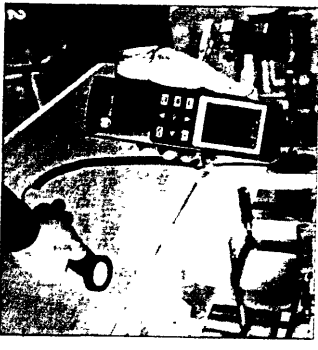


s of luminous intensities to  
i, Part 2:

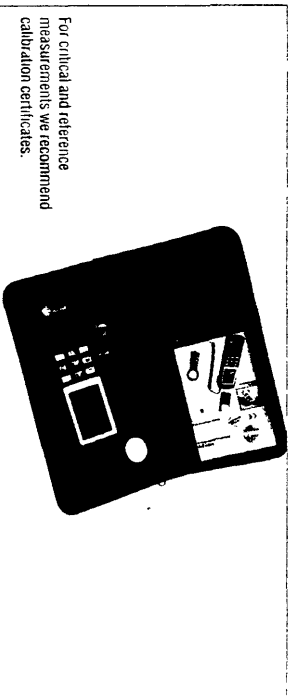
rooms	Lux
rooms	300
rooms	300
rooms	750
rooms	1000
rooms	1000
rooms	200
rooms	200
rooms	1500 - 2500
rooms	1500 - 2500
rooms	100 - 150
rooms	500
rooms	300
rooms	400 - 700

**Light data analysis**

Light data analysis software. Light or  
data version, the information in  
can be downloaded and a  
software, separately saved  
intensity values can be  
to form a curve. This light  
provides information on the  
of the lighting e.g. in repro  
paintings, in halls etc



**Recommended sets:**



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measurements we recommend  
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**Set 1**

Description	Part no.
① <b>testo 545</b> luxmeter with probe, instruction manual, battery and calibration protocol	0560.0545 C
Case for safe storage of measuring instrument and probe	0516.0182 C

**Set 2**

Description	Part no.
① <b>testo 545</b> luxmeter with probe, instruction manual, battery and calibration protocol	0560.0545 C
② TopSafe (indestructible protective case) incl. bench stand and belt clip	0516.0441 C
③ Testo log printer	0554.0545 C
④ Transport case for measuring instrument, TopSafe, probe and Testo log printer	0516.3250 C

**Ordering data for testo 545**

**No. Measuring instrument and accessories Available in March '99**

1 <b>testo 545</b>	0560.0545 C	With probe, batteries and instruction manual and calibration protocol
2 <b>TopSafe (indestructible protective case)</b>	0516.0441 C	With bench stand and belt clip, protects measuring instrument from impact, dirt
3 <b>Testo log printer, with 4 AA batteries and 1 roll of thermal paper</b>	0554.0545 C	Prints measured data, location with date and time
4 <b>Comfort software "Light" for data management</b>	0554.0273 C	With data base, analysis and graphics function
5 <b>Comfort software "Professional" for data management</b>	0554.0274 C	With data base, analysis and graphics function, data analysis, trend curve
6 <b>Transport case</b>	0516.3250 C	For safe storage of measuring instrument, TopSafe, probe and Testo log printer
7 <b>RS232 cable</b>	0409.0178 C	Connects meas instr + PC for data transfer
8 <b>ISO calibration certificate</b>	0520.0010 C	Calibration point 1000 Lux

**testo 545 with probe**

