



testo 540

Instruction manual



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Short manual testo 540



- ① Protection cap: Park position
- ② Light sensor
- ③ Display
- ④ Control keys
- ⑤ Battery compartment (on rear)

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Basic settings

Instrument off > press and hold 2s > select with () ,
confirm with ():

Auto off function: **OFF, ON**

Switching the instrument on

Press .

Switching the display light on (for 10s)

Instrument on > press .

Select display size

Instrument on > select with :

lux, ftc

Select display mode

Instrument on > select with :

Current reading > **Hold**: Readings are held > **Max**: Maximum values > **Min**: Minimum values

Switching the instrument off:

Instrument on > press and hold 2s.

Safety and the environment

About this document

- › Please read this documentation through carefully and familiarise yourself with the product before putting it to use. Keep this document to hand so that you can refer to it when necessary. Hand this documentation on to any subsequent users of the product.
- › Pay particular attention to information emphasised by the following symbols:
 - i** Important.

Avoid personal injury/damage to equipment

- › Only operate the measuring instrument properly, for its intended purpose and within the parameters specified in the technical data. Do not use force.
- › Never store the product together with solvents, acids or other aggressive substances.
- › Only carry out the maintenance and repair work that is described in the documentation. Follow the prescribed steps when doing so. Use only OEM spare parts from Testo.

Protecting the environment

- › Take faulty rechargeable batteries as well as spent batteries to the collection points provided for them.
- › Send the product back to Testo at the end of its useful life. We will ensure that it is disposed of in an environmentally friendly manner.

Specifications

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Functions and use

The testo 540 is an illuminance measuring instrument. It is normally used to measure illuminance, e.g. at workplaces.

Technical data

Measurement data

- Sensor:
Photo diode
- Parameters:
Lux (lm/m²), foot candle (lm/ft²)
- Measuring ranges:
0...99999 Lux, 0...93000 ftc
- Resolutions:
1 Lux (0...19,999 Lux), 10 Lux (rest of range)
0.1 ftc (0...1,858.0 Lux), 1 ftc (rest of range)
- Accuracies (Nominal temperature 25 °C, ±1 Digit):
3 % to reference
- Measuring rate:
0.5 s

Further instrument data

- Protection class: IP40
- Ambient conditions:
0...50 °C, 32...122 °F
- Storage/transport conditions:
-40...70 °C, -40...158 °F
- Voltage supply:
2x 1.5 V type AAA
- Battery life:
200 h (without display light)
- Dimensions:
133x46x25 mm (inc. protection cap)
- Weight: 95 g (inc. batteries and protection cap)

Directives, standards and tests

- EC Directive: 89/336/EEC

Warranty

- Duration: 2 years
- Warranty conditions: see guarantee card

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Product description

At a glance



- ① Protection cap: Park position
- ② Light sensor
- ③ Display
- ④ Control keys
- ⑤ Battery compartment (on rear)

First steps








> Inserting batteries:

- 1 To open the battery compartment, push the battery cover down.
- 2 Insert batteries (2x 1.5 V type AAA). Observe the polarity!
- 3 To close the battery compartment, push the battery cover back on.

> Basic settings (configuration mode):

Adjustable functions

- Auto off function: **OFF**, **ON** (instrument switches off automatically if no key is pressed for 10 minutes)

- 1 When switching the instrument on, press and hold  until  and  appear on the display (configuration mode).
 - The adjustable function is displayed. The current setting flashes.
- 2 Press  () several times until the desired setting flashes.
- 3 Press  () to confirm the input.
 - The instrument changes to measuring mode.


Using the product

i To guarantee correct readings: Hold the instrument horizontally so that the light sensor is directed upwards.

➤ **Switching the instrument on:**

- Press .
- Measuring mode is opened.

➤ **Switching the display light on:**

- ✓ The instrument is switched on.
- Press .
- The display light goes out automatically if no key is pressed for 10 seconds.

➤ **Changing the parameter unit:**

- Press  until the desired unit appears.

Adjustable units

- lux
- ftc



➤ **Changing the display view:**

Adjustable views

- Current reading
- **Hold:** Readings are held.
- **Max:** Maximum values since the instrument was last switched on or last reset.
- **Min:** Minimum values since the instrument was last switched on or last reset.

- Press  several times until the desired view appears.

➤ **Resetting Max/Min values:**

- 1 Press  several times until the desired view appears.
- 2 Press  and hold until ---- appears.
- 3 Repeat steps **1** and **2** for all values that are to be reset.

➤ **Switching the instrument off:**

- Press  and hold until the display goes out.

Maintaining the product

> **Changing batteries:**

- 1** To open the battery compartment, push the battery cover down.
- 2** Remove used batteries and insert new batteries (2x 1.5 V type AAA). Observe the polarity!
- 3** To close the battery compartment, push the battery cover back on.


> **Cleaning the housing:**

- › Clean the housing with a moist cloth (soap suds) if it is dirty. Do not use aggressive cleaning agents or solvents!

Tips and assistance

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Questions and answers

Question	Possible causes/solutions
Hi	<ul style="list-style-type: none">· Readings outside the measuring range (too high): Keep to the permitted measuring range.
	<ul style="list-style-type: none">· Residual capacity <10 min: Change batteries.

If we could not answer your question, please contact your dealer or Testo Customer Service.



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