Short manual testo 610

1 Protection cap: Park position
2 Humidity/temperature 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 (Mode)(◄─┘):
Unit of temperature: **°C**, **°F** > 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 ▲:

% (relative humidity), **td** (dew point temperature), **wb** (wet bulb temperature)

Select display mode

Instrument on > select with (Mode):

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.

Do not use the device in a polluted environment (heavily dusty, oil, foreign matter, volatile chemicals).

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

Functions and use

The testo 610 is a humidity/temperature measuring instrument.
It is normally used to measure the humidity in offices and
storerooms, buildings and greenhouses.

Technical data

Measurement data

· Sensors:
  Testo humidity sensor,
  NTC temperature sensor
· Parameters:
  °C, °F, %rH, wet bulb, td
· Measuring ranges:
  -10...50 °C, 14...122 °F, 0...100 %rH
· Resolutions:
  0.1 °C, 0.1 °F, 0.1 %rH
· Accuracies
  (Nominal temperature 25 °C, ±1 Digit):
  ±0.5 °C, ±0.9 °F, ±2.5%rH (5...95%rH)
  Long-term stability: ±1 %rF / year
· Measuring rate:
  1.0 s

Further instrument data

· Protection class: IP20
· Ambient conditions:
  -10...50 °C, 14...122 °F
· Storage/transport conditions:
  -40...70 °C, -40...158 °F
  Temperature coefficient:
  type (k=1) 0.06 %rF / K
· Voltage supply:
  2x 1.5 V type AAA
· Battery life:
  200 h (without display light)
· Dimensions:
  119x46x25 mm (inc. protection cap)
· Weight: 90 g (inc. batteries and
  protection cap)

Directives, standards and tests

· EC Directive: 2014/30/EU

Product description

At a glance

1 Protection cap: Park position
2 Humidity/temperature 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
  - Unit of temperature: **°C**, **°F**
  - 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 (Mode)(←) to confirm the input.
  4 Repeat steps **2** and **3** for all functions.
     - The instrument changes to measuring mode.

Using the product

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🔢 To guarantee correct readings: Keep temperature and humidity sources which may falsify the measurement (e.g. hands) away from the sensor.

- 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:

Adjustable units
- **%** (relative humidity)
- **td** (dew point temperature)
- **wb** (wet bulb temperature)

    Press ▲ until the desired parameter appears.

- 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 ⁽ᴹᵒᵈᵉ⁾ several times until the desired view appears.

- Resetting Max/Min values:

    1 Press ⁽ᴹᵒᵈᵉ⁾ several times until the desired view appears.

    2 Press ⁽ᴹᵒᵈᵉ⁾ 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 or **Lo**	· Readings outside the measuring range (too high, too low): Keep to the permitted measuring range.
⊏⊐⏻	· Residual capacity <10 min: Change batteries.

If we could not answer your question, please contact your dealer or Testo Customer Service. For contact details, please visit www. testo.com/service-contact.