

Operation and maintenance of the testo 104-IR BT

1. Preparation

Warning



Do not look directly into the laser. This can cause blindness.

Measurement methods



Non-contact infrared measurement.



Penetration measurement.

Acclimatization time



If the ambient temperature changes (change of location, e.g. measurement indoors/outdoors), the instrument must be allowed to equalise for 15 minutes for **infrared measurement**.

2. Cleaning

Measuring instrument



Clean under running water with mild detergent.

Lens



Wet carefully with water or surgical spirit, and clean with a cotton swab.

3. Infrared measurement

a. Connect



For the digital storage of measured values:

1. Connect testo 104-IR BT with testo Smart App [iOS / Android]
2. Start temperature control points (CP/CCP) measurement menu.
3. Create/select checkpoint in app

b. Point



Point the infrared side of the measuring instrument at the measurement object and switch on with the [▲] button. Max. distance: 1 m. Do not measure on silver or shiny surfaces.

c. Measure



Hold down the [▲] button and point the laser at the measurement object (2 sec. sufficient). The laser spots show the exact limits of the measurement area. For this reason, ensure both laser spots are positioned on the measurement object.

d. Sending and checking



1. The measurement value is transferred to the connected testo Smart App using the [↓] button.
2. Optionally add comment and/or (after last checkpoint) signature.



Tip: If the IR temperature measured violates the limit value, a penetration measurement must be carried out in order to determine the core temperature.

4. Penetration measurement

a. Connect



For the digital storage of measured values:

1. Connect testo 104-IR BT with testo Smart App [iOS / Android]
2. Start temperature control points (CP/CCP) measurement menu.
3. Create/select checkpoint in app

b. Fold out



Fold out probe or press [▼] button (if probe already folded out).

c. Prepare



Insert penetration probe min. 3 cm deep into the measurement object.

d. Measure



Auto-Hold enabled*: After the end of the measurement, the Auto-Hold and final value are shown in the the display of the testo 104-IR BT.

*For more information on the Auto-Hold mode please see the instruction manual.

e. Sending and checking



1. The measurement value is transferred to the connected testo Smart App using the [↓] button.
2. Optionally add comment and/or (after last checkpoint) signature.