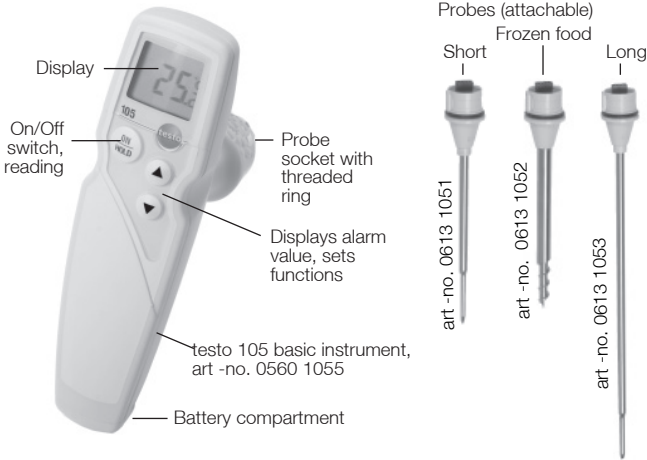# 1. General Information

Please read this document through carefully and familiarise yourself with the operation of the product before putting it to use. Keep this documentation to hand so that you can refer to it when necessary.

en

2. Product Description

Display
On/Off switch, reading
Probe socket with threaded ring
Displays alarm value, sets functions
testo 105 basic instrument, art -no. 0560 1055
Battery compartment

Probes (attachable)
Frozen food
Short
Long
art -no. 0613 1051
art -no. 0613 1052
art -no. 0613 1053

3. Safety Information

⚠ **Avoid electrical hazards:**

▶ Do not measure on or near live parts!

⚠ **Preserving product safety / warranty claims:**

▶ Operate the instrument properly and according to its intended purpose and within the parameters specifed. Do not use force.
▶ Do not store together with solvents (e.g. acetone).
▶ Open the instrument only when this is expressly described in the documentation for maintenance purposes.

♻ **Ensure correct disposal:**

▶ Dispose of defective rechargeable batteries and spent batteries at the collection points provided.
▶ Send the instrument directly to us at the end of its life cycle. We will ensure that it is disposed of in an environmentally friendly manner.

4. Intended Use

testo 105 is a robust food thermometer to measure the temperature of semi-solid substances. Depending on the probe used, the thermometer can be used in the following sectors: gastronomy, refrigeration, industrial kitchens, supermarkets, Incoming goods inspections, HACCP.

The following components of the product are designed for continuous contact with foodstuffs in accordance with the regulation (EC) 1935/2004:
The measurement probe up to 1 cm before the probe handle or the plastic housing. If provided, the information about penetration depths in the instruction manual or the mark(s) on the measurement probes should be noted.

5. Technical Data

Feature	Values
Measurement range	-50 to +275 °C
Resolution	0.1 °C
Accuracy	±0.5 °C at -20 to +100 °C
	±1 °C at -50 to -20.1 °C
	±1 % at +100.1 to +275 °C
Response time t99*	Probe short / long: 10s, frozen food probe: 15s (in frozen meat: approx. 60s)
Measuring rate	2 measurements per second
Working temperature	-20 to +50°C
Transport/ Storage temperature	-40 to +70°C
Power supply	4 x round cell type LR44
Battery life	80 h (typically)
Housing	ABS
Protection class	IP65 (with attached probe)
Dimensions (without probes)	145 x 95 x 38 mm
CE guideline	2014/30/EU
Warranty	2 years, warranty conditions: see www.testo.com/warranty

* Measured in moving liquid.

Information on standards

This product fulfills guidelines in accordance with the EN 13485 standard.
Suitability: S, T (storage, transport)
Environment: E (transportable thermometer)
Accuracy class: 0.5
Measurement range: -50 to +275 °C
According to EN 13485, the measuring instruments should be checked and calibrated regularly under the terms of EN 13486 (Recommended: Yearly).
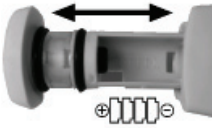Contact us for more information.

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6. Initial Operation

1 Pull out battery compartment.
2 Insert battery (4 x Type LR44). Watch out for +/-.
3 Reinsert battery compartment.

7. Operation

If the signal sound is switched on, there will be a sound every time 🔘 is pressed and alarm limits are exceeded.

If the light is switched on, the display light will light up for 5s every time a button is pressed or alarm limits are exceeded.

If Auto Off is switched on, the instrument switches off automatically after 10 minutes if no button has been activated.

If Auto Hold is switched on, AUTO HOLD flashes. Once the reading is stable within a fixed time duration, it will be frozen. AUTO HOLD lights up.
▶ Restart measurement: 🔘.

7.1 Switching On/Off

▶ Switch on instrument: 🔘.
▶ Switch off instrument: Keep 🔘 pressed.

7.2 Measuring

! Observe required immersion/penetration depth for correct measurement results: Probe short/long: > 35 mm, frozen food probe: > 50 mm.

Instrument is switched on.

▶ Immerse/penetrate or screw in probe into object being measured.
- The current reading is shown.

Holding reading manually

▶ Hold reading: 🔘.
- Reading is frozen and HOLD lights up.
▶ Restart measurement: 🔘.

Exceeding the alarm value

- ALARM and ⬆ (upper alarm value exceeded) or ⬇ (lower alarm value exceeded) light up.

7.3 Setting alarm limits

Instrument is switched on.

1 Show set upper alarm value ($\bar{\uparrow}$): $\textcircled{\blacktriangle}$.
-or-
Show set lower alarm value ($\underline{\downarrow}$): $\textcircled{\blacktriangledown}$.

2 Set alarm value: $\textcircled{\blacktriangle}$ or $\textcircled{\blacktriangledown}$. Keep button pressed to increase setting speed.

3 Return to measurement: $\textcircled{\tiny\text{HOLD/ON}}$.

▶ If necessary repeat the procedure for the upper and lower alarm value.

8. Settings

The instrument is switched off.

1 Open configuration mode: Keep $\textcircled{\tiny\text{HOLD/ON}}$ pressed.

2 Select temperature unit (°C or °F): $\textcircled{\blacktriangle}$.
Confirm selection: $\textcircled{\tiny\text{HOLD/ON}}$.

3 Switch Auto Hold on ($\mathbf{On}$) or off ($\mathbf{OFF}$): $\textcircled{\blacktriangle}$.
Confirm selection: $\textcircled{\tiny\text{HOLD/ON}}$.

   If Auto Hold has been switched on:

   ▶ Set time duration (5, 10, 15 or 20s) at which a reading has to be stable (change lower than 0.2°C) for it to be frozen: $\textcircled{\blacktriangle}$. Confirm selection: $\textcircled{\tiny\text{HOLD/ON}}$.

4 Switch sound ($\triangleleft$)) on ($\mathbf{On}$) or off ($\mathbf{OFF}$): $\textcircled{\blacktriangle}$.
Confirm selection: $\textcircled{\tiny\text{HOLD/ON}}$.

5 Switch light ($\heartsuit$) on ($\mathbf{On}$) or off ($\mathbf{OFF}$): $\textcircled{\blacktriangle}$.
Confirm selection: $\textcircled{\tiny\text{HOLD/ON}}$.

6 Switch Auto Off on ($\mathbf{On}$) or off ($\mathbf{OFF}$): $\textcircled{\blacktriangle}$.
Confirm selection: $\textcircled{\tiny\text{HOLD/ON}}$.

- Configuration is complete. The instrument changes to the measurement mode.

9. Service and Maintenance

9.1 Changing the probe

The instrument must be switched off.

1 Turn threaded ring in an anti-clockwise direction and remove the probe.

2 Attach new probe (observe guides) and screw on threaded ring in a clockwise direction.

9.2 Changing the battery

1 Take out the battery compartment.

2 Remove empty batteries and put in new batteries (4 x Type LR44). Observe +/-

3 Reinsert battery compartment.

9.3 Cleaning the instrument

Do not use any abrasive cleaning agents or solutions.

▶ Clean the housing and probe with a damp cloth (soap water).

10. Questions and Answers

Question	Possible causes	Possible solution
⊽ lights up.	Batteries empty	▶ Change batteries.
- - - lights up.	Measurement range exceeded.	▶ Measurements can only be carried out in the range specified.
Instrument cannot be switched on.	Batteries empty.	▶ Change batteries.
Instrument switches itself off.	Auto Off function is switched on.	▶ Switch off Auto Off function (See **Switching on instrument**).

If we have not answered your question, please contact your local dealer or Testo´s Customer Service.

For contact details, please visit www.testo.com/service-contact

11. Accessories

Name	Item no.
Penetration probe, short	0613 1051
Penetration probe, long	0613 1053
Frozen food penetration probe	0613 1052
testo 105 basic instrument	0560 1055
testo 105 with penetration probe short, belt holder	0563 1051
testo 105 with penetration probes short, long and frozen food, belt holder	0563 1052
testo 105 with frozen food penetration probe, belt holder	0563 1054
Aluminium case	0554 1051