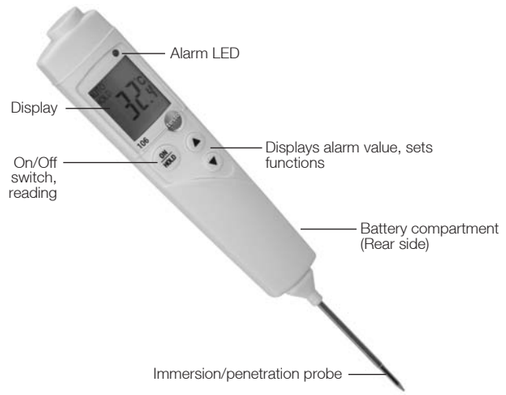
testo 106
Food Thermometer

Instruction Manual **en**

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.

2. Product Description



4. Intended Use

The testo 106 is a robust food thermometer.
The product is designed for the following tasks/areas:

- Food sector: Production, food service, spot check measurement
- Measurement of liquids, pastes and semi-solid materials

The following components of the product are designed for continuous contact with foodstuffs in accordance with the regulation (EG) 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.

The product may not be used in the following areas:

- In areas where there is a danger of explosion
- For diagnostic measurement in medicine

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.

5. Technical Data

Feature	Values
Measurement range	-50 to +275 °C
Resolution	0.1 °C
Accuracy	±0.5 °C (-30.0 to +100.0°C) ±1.0 °C (-50.0 to -30.1°C) ±1 % (+100.1 to +275.0°C)
Response time t99	10s (Measured in moving liquid)
Measuring rate	2 measurements per second
Working temperature	-20 to +50°C
Transport/Storage temperature	-40 to +70°C
Power supply	2 x round cell type CR2032
Battery life	350h (typically)
Housing	ABS
Protection class	IP67 (with TopSafe)
Dimensions	220 x 35 x 20 mm
EC guideline	89/336/EEC
Warranty	2 years

Information on standards

This product **fulfills** with TopSafe 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.

6. Initial Operation

1 Open battery compartment.
2 Insert battery (2 x Type CR2032).
Watch out for +/-.
3 Close battery compartment.

7. Operation

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

If the alarm LED is switched on, it flashes when upper or lower alarm values 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: (SOUND ON).

7.1 Switching On/Off

- Switch on instrument: (SOUND ON).
- Switch off instrument: Keep (SOUND ON) pressed.

7.2 Measuring

! Observe required immersion/penetration depth for correct measurement results: > 15 mm.

Instrument is switched on.

- Immerse / penetrate probe into object being measured.
- The current reading is shown.

Holding reading manually

- Hold reading: (SOUND ON).
- Reading is frozen and **HOLD** lights up.
- Restart measurement: (SOUND ON).

Exceeding the alarm value

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

7.4 Setting alarm limits

Instrument is switched on.

1 Show set upper alarm value (⬆): (▲).
-or-
Show set lower alarm value (⬇): (▼).
2 Set alarm value: (▲) or (▼). Keep button pressed to increase setting speed.
3 Return to measurement: (SOUND ON).

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

8. Setting instrument

The instrument is switched off.

1 Open configuration mode: Keep (SOUND ON) pressed.
2 Select temperature unit (**°C** or **°F**): (▲).
Confirm selection: (SOUND ON).
3 Switch **Auto Hold** on (On) or off (OFF): (▲).
Confirm selection: (SOUND 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: (▲). Confirm selection: (SOUND ON).

4 Switch sound (🔊) on (On) or off (OFF): (▲).
Confirm selection: (SOUND ON).
5 Switch Alarm LED (💡) on (On) or off (OFF): (▲).
Confirm selection: (SOUND ON).
6 Switch **Auto Off** on (On) or off (OFF): (▲).
Confirm selection: (SOUND ON).

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

9. Service and Maintenance

9.1 Changing the battery

1 Open battery compartment.
2 Insert battery (2 x Type CR2032).
Watch out for +/-.
3 Close battery compartment.

9.2 Cleaning the instrument

Do not use any aggressive 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**).

11. Accessories

Name	Item no.
TopSafe	0516 8265
Frozen food drill	0554 0826
Wall bracket and protecting cap	0554 0825