

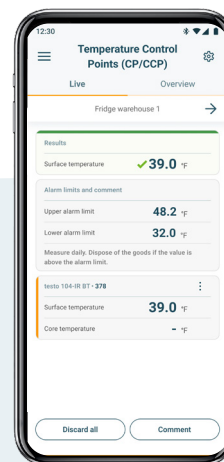
Infrared and penetration thermometer with app connection

testo 104-IR BT

A measuring instrument for determining surface and core temperature with intuitive operation including seamless documentation via the testo Smart App

Measurements are possible with or without the app. The app supports you with measurements of (critical) control points (CP/CCP) and helps ensure error-free, digital documentation.

Tracking of measurement data: CSV data export or professional reports in PDF format (incl. signature & comment function) for regulatory requirements and internal quality assurance



Bluetooth 4.0 + App 

testo Smart App for free download

GET IT ON Google Play

Download on the App Store



The testo 104-IR BT penetration thermometer with integrated infrared sensor is a versatile measuring instrument for quick and reliable temperature checks as part of daily HACCP processes in food handling. The testo Smart App connection makes digital documentation, and temperature limit monitoring (CP/CCP) seamless for reporting.

The testo 104-IR BT enables non-contact measurement of surface temperatures and also offers the option of measuring the core temperature if upper or lower limit values are violated. All measurement values are automatically transmitted to the testo Smart App via Bluetooth.

The compact instrument's penetration probe is safely stowed away in the housing and is activated automatically when it is folded out. Operation of the testo 104-IR BT is simple and intuitive for rapid temperature measurements.

The testo 104-IR BT offers accurate and efficient temperature monitoring without requiring time-consuming procedures or compromising due to its user-friendly design and functionality.

Technical data/ accessories

testo 104-IR BT

testo 104-IR BT infrared and penetration thermometer with Bluetooth, batteries, instruction manual and calibration protocol



Order no. 0560 1045 61



The testo Smart App

- **EFFICIENT:** Fast, error-free and complete documentation of all measurement results
- **RELIABLE:** Storage of measured values with precise traceability over defined periods and professional reporting in pdf format
- **INTUITIVE:** Intuitive and simple operation, also for less experienced personnel



Download the testo Smart App now and use all the benefits!



Penetration probes

Sensor type	NTC
Measuring range	-58 to 482 °F (-50 to +250 °C)
Resolution	0.1°F/°C/°R
Accuracy ±1 digit	±1.8 °F (-58 to -22.18 °F) ±0.9 °F (-22 to +211.82 °F) ±1 % of m.v. (+212 to +482 °F) ±1.0 °C (-50 to -30.1 °C) ±0.5 °C (-30 to +99.9 °C) ±1 % of m.v. (+100 to +250 °C)
Adaptation time (t99)	10 s (in moving liquid)
Measurement rate	0.5 s

Infrared measurement

Optics	10:1 + opening diameter of the sensor (12mm)
Spectral range	8 to 14 μm
Laser type	2-point laser
Power / wavelength	< 1mW / 650nm
Class / standard	2 / DIN EN 60825-1:2007
Measuring range	-22 to 482 °F (-30 to +250 °C)
Resolution	0.1 °F/°C/°R
Accuracy (at 73.4°F / 23°C, ± 1 digit)	±4.5 °F (-22 to -4.18°F) ±3.6 °F (-4 to 31.82°F) ±2.7°F or ±1.5% of the measurement value (32 to 482 °F) ±2.5 °C (-30.0 to -20.1°C) ±2.0 °C (-20.0 to -0.1°C) ± 1.5°C or ±1.5% of the measurement value (+0.0 to +250.0 °C)
Measurement rate	0.5 s

General technical data

Mobile app (Android/iOS)	Can be used with or without testo Smart App
Conformity	EN 13485, HACCP, NSF
Operating temperature	-4 to 122°F (-20 to +50°C)
Transport/storage temperature	-4 to 122°F (-30 to +50°C) (without batteries up to 158 °F /+70 °C)
Voltage supply	2 x AAA batteries
Housing	ABS/TPE/PC and die-cast zinc/stainless steel
Protection class	IP65
Dimensions	11.1 X 1.9 X 0.8 in (281 x 48 x 21 mm) (immersion/penetration probe opened) 7 X 1.9 X 0.8 in (178 x 48 x 21 mm) (immersion/penetration probe closed)
Weight	7.3 oz (207g) (incl. batteries)