

Temperature monitoring – Highly accurate

testo 110

The highly accurate, versatile testo 110 temperature measuring instrument is ideal for the food sector on account of its optional TopSafe protection case. The engineering used is specially designed for applications in refrigerated store rooms and cabinets and for outdoors.

In addition to the wide range of conventional probes available with cable, a wireless radio probe can be used simultaneously (if radio module is used in instrument).

- Wireless measurement with radio probes possible (optional)
- Audible alarm (adjustable alarm limits)
- Displays max/min readings in 2 line, backlit display

Measurement data printout on site on Testo fast printer (optional)



Monitors in warehouses



Only in combination with TopSafe



TopSafe, the indestructible protective case (optional)



Checks the exact temperature of freshly melted chocolate, no annoying cable thanks to the use of the radio probe

testo 110

testo 110, 1 channel temperature measuring instrument NTC, audible alarm, connection to an optional radio probe, with battery and calibration protocol

Part no. 0560 1108

Printer and Accessories Part no.

Testo fast printer with wireless infrared interface, 1 roll thermal paper and 4 AA batteries 0554 0549

Spare thermal paper for printer (6 rolls), measurement data documentation legible for up to 10 years 0554 0568

Spare thermal paper for printer (6 rolls) 0554 0569

External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz 0554 0610

Additional accessories Part no.

9V rech. battery for instrument, instead of battery 0515 0025

Recharger for 9V rechargeable battery, for external recharging of 0515 0025 battery 0554 0025

Lithium battery, button cell, type CR 2032 for wireless probes 0515 0028

Transport and Protection Part no.

TopSafe, protects from impact and dirt 0516 0221

Case for measuring instrument and probes 0516 0210

Transport case for meas. instr. and probes (405 x 170 x 85 mm) 0516 0201

Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm) 0516 0200

Calibration Certificates Part no.

ISO calibration certificate/temperature, for air/immersion probes, calibration points -18°C; 0°C; +60°C 0520 0001

ISO calibration certificate/temperature, single point calibration for surface thermometer; calibration point +60°C 0520 0072

ISO calibration certificate/temperature, single point calibration for surface thermometer; calibration point +120°C 0520 0073

* TopSafe: TPU casing; TPE lid; PC stand

Recommended Set: testo 110 – Starter set

testo 110, 1 channel temperature measuring instrument NTC, audible alarm, connection to an optional radio probe, with battery and calibration protocol 0560 1108

TopSafe, protects from impact and dirt 0516 0221



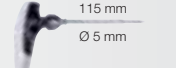
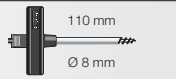




Waterproof NTC immersion/penetration probe 0613 1212

Transport case for meas. instr. and probes (405 x 170 x 85 mm) 0516 0201

Technical data

Probe type	NTC
Meas. range	-50 to +150 °C
Accuracy	±0.2 °C (-20 to +80 °C) ±1 digit ±0.3 °C (remaining range)
Resolution	0.1 °C
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C
Battery type	9V block battery, 6F22
Battery life	200 h (connected probe, backlight off) 45 h (radio mode, backlight off) 68 h (connected probe, backlight always on) 33 h (radio mode, backlight always on)
Dimensions	182 x 64 x 40 mm
Weight	171 g

Suitable probes at a glance / Option: Radio

Immersion/penetr. probes	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
Waterproof NTC immersion/penetration probe	 115 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	10 s	0613 1212 Conn.: Fixed cable, 1.2 m
Stainless steel NTC food probe (IP65) with PUR cable	 125 mm Ø 4 mm 15 mm Ø 3 mm	-50 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	8 s	0613 2211 Conn.: Fixed cable, 1.6 m
Robust NTC food penetration probe with special handle, reinforced PUR cable	 115 mm Ø 5 mm 30 mm Ø 3.5 mm	-25 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	7 s	0613 2411 Conn.: Fixed cable
Frozen food probe NTC, corkscrew design (incl. plug-in wire)	 110 mm Ø 8 mm 30 mm Ø 4 mm	-50 to +140 °C ¹⁾	±0.5% of mv (+100 to +140 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	20 s	0613 3211 Conn.: Plug-in cable
Stainless steel NTC food probe (IP67) with PTFE cable to +250°C	 125 mm Ø 4 mm 15 mm Ø 3 mm	-50 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	8 s	0613 3311 Conn.: Fixed cable
Air probes	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
Efficient, robust NTC air probe	 115 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +125 °C ²⁾	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	60 s	0613 1712 Conn.: Fixed cable
Surface probes	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
Waterproof NTC surface probe for flat surfaces	 115 mm Ø 5 mm 50 mm Ø 6 mm	-50 to +150 °C ²⁾	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	35 s	0613 1912 Conn.: Fixed cable
Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, T _{max.} +75°C, NTC	 300 mm	-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)		0613 4611 Conn.: Fixed cable


The measuring instrument inside TopSafe is waterproof with this probe.

1) Long-term meas. range +125 °C, short-term +140 °C
2) Long-term meas. range +125 °C, short-term +150 °C

Radio module for upgrading measuring instrument with radio option

Country versions	Radio freq.	Part no.
Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	869.85 MHz FSK	0554 0188
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	915.00 MHz FSK	0554 0190

Radio probes for immersion/penetration measurements

Radio immersion/penetration probes	Meas. range	Accuracy	Resolution	t ₉₉
Radio immersion/penetration probe, NTC 	-50 to +275 °C	±0.5 °C (-20 to +80 °C) ±0.8 °C (-50 to -20.1 °C) ±0.8 °C (+80.1 to +200 °C) ±1.5 °C (remaining range)	0.1 °C	t ₉₉ (in water) 12 s
Country versions	Radio freq.	Part no.		
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	869.85 MHz FSK	0613 1001		
Radio immersion/penetration probe, NTC, approval for USA, CA, CL	915.00 MHz FSK	0613 1002		

Radio probes: General technical data

Probe type	Radio immersion/penetration probe, NTC	Radio handle	Measuring rate	Radio transmission	
Battery type	2 x 3V button cell (CR 2032)	2 AAA micro batteries	0.5 s or 10 s, adjustable on handle	Unidirectional	
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)		Oper. temp.	-20 to +50 °C
			Radio coverage	Storage temp.	-40 to +70 °C
				Up to 20 m (without obstructions)	Protection class