Calibratable Temperature Measuring Instrument

testo 112

testo 112 combines two temperature measuring instruments in one. In addition to the complete NTC probe range, Pt100 probes can also be attached. In this way, the temperature range of -50 to +300 °C is covered to the highest accuracy level. testo 112 is therefore the ideal instrument for food measurements ranging from the deep-freeze sector to the oil temperature in deep-fat fryers.

The backlit display makes it easy to read in environments with poor lighting. Minimum and maximum readings can be called up at the touch of a button. It is possible to print readings on site, for documentation purposes, on a fast printer (accessory).

• Large, backlit display with 14 mm high characters
• Call up max/min values at the touch of a button

Data printout on site on the Testo fast printer (optional)

TopSafe, indestructible protection case (optional)

Monitors temperature in refrigerated counter

14.40
92.03

PTB Type approval

testo 112

testo 112, 1 channel temperature measuring instrument NTC/Pt100, calibratable, with battery

Part no.   0560 1128

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)	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 and spare parts	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
Transport and Protection	Part no.
TopSafe, protects from impact and dirt	0516 0220
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, meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071

* TopSafe: TPU housing; TPE lid; PC stand

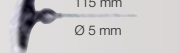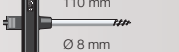| Technical data		
Probe type	NTC	Pt100
Meas. range	-50 to +120 °C	-50 to +300 °C
Accuracy ±1 digit	±0.2 °C (-25 to +40 °C) ±0.3 °C (+40.1 to +80 °C) ±0.5 °C (remaining range)	±0.2 °C (-50 to +200 °C) ±0.3 °C (remaining range)
Resolution	0.1 °C	0.1 °C
Oper. temp.	-20 to +50 °C	
Storage temp.	-30 to +70 °C	
Battery type	9V block battery, 6F22	
Battery life	100 h	
Dimensions	182 x 64 x 40 mm	
Weight	171 g	

Suitable probes at a glance

Immers./penetr. probes (not calibratable)	Illustration			Meas. range	Accuracy	t99	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
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
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	t99	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	t99	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, Tmax. +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