Calibratable Temperature Measuring Instrument

Documentation of measurement values directly on location

NEW!

°C

testo 112 — Calibratable Temperature Measuring Instrument

The officially calibratable precision temperature measuring device testo 112 was designed especially for official monitoring measurements. Owing to the design inspection by the PTB (German Federal Physical and Technical Authority), the instrument can be used for all areas of the food industry

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Owing to its broad measuring range, testo 112 is the ideal temperature measuring instrument for all areas of food monitoring. NTC-probes (Thermistor probes) and Pt100 probes (platinum resistance probes) can both be attached to the probe input, so that a broad temperature range is covered, from deep-frozen products to deep-fryer monitoring.

In order to document the temperature values, testo 112 provides the possibility of printing data locally with date and time. This is particularly interesting for food hygiene inspectors. If adjustable high or low limit values are exceeded, the instrument immediately sounds an acoustic alarm. Occuring minimum and maximum limit values can be conveniently called up in the two-line display.

For documentation on location, it is possible to print out measurement values with the Testo report printer.

- The instrument for official food inspections
- Data printout on site on the Testo printer (optional)
- TopSafe, indestructible protection case (optional)
- Large, backlit display with 14 mm high characters
- Call up max/min values at the touch of a button
- Highly accurate, officially calibratable temperature measuring instrument
- Minimum/maximum value store

Monitors temperature in refrigerated counter

Documentation of measurement values directly on location

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

Part no.	
0560 1128	

Accessories	Part no.
Testo printer with wireless IRDA and infrared interface, 1 roll of thermal paper and 4 round cell batteries	0554 0547
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 recharger incl. 4 Ni-MH rechargeable batteries with built-in, international mains adapter - 100-240 V, 300 mA, 50/60 Hz, 12 VA/instrument	0554 0610
9V rech. battery for instrument Instead of battery	0515 0025
Recharger for 9V rechargeable battery For external recharging of 0515 0025 battery	0554 0025
TopSafe, protects from impact and dirt	0516 0221
Case for measuring instrument and probes	0516 0210
Transport case for measuring instrument and probes	0516 0201
Transport case for measuring instrument, 3 probes and accessories	0516 0200

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 (-50 to -25.1 °C) ±0.3 °C (+40.1 to +80 °C) ±0.5 °C (remaining range)	±0.2 °C (-50 to +199.9 °C) ±0.5 °C (remaining range)
Resolution	0.1 °C	0.1 °C

Oper. temp.	-20 to +50 °C	Dimensions	182 x 64 x 40 mm
Storage temp.	-40 to +70 °C	Weight	171 g
Battery life	100 h	Material/Housing	ABS
Battery type	Alkali manganese	Warranty	2 years

Air probes

Air probes	Illustration		Meas. range	Accuracy	t_{99}	Part no.
⬧ Efficient, robust NTC air probe	115 mm / Ø 5 mm / Conn.: Fixed cable 1.2 m	50 mm / Ø 4 mm	-50 to +150 °C	±0.5% of mv (+100 to +150 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	60 s	0613 1712

Surface probes

Surface probes	Illustration		Meas. range	Accuracy	t_{99}	Part no.
⬧ Waterproof NTC surface probe for flat surfaces	115 mm / Ø 5 mm / Conn.: Fixed cable 1.2 m	50 mm / Ø 6 mm	-50 to +150 °C	±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
Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, Tmax. +75°C, NTC	300 mm / Conn.: Fixed cable		-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	60 s	0613 4611

Immers./penetr. probes

Immers./penetr. probes	Illustration		Meas. range	Accuracy	t_{99}	Part no.
⬧ Waterproof NTC immersion/penetration probe	115 mm / Ø 5 mm / Conn.: Fixed cable	50 mm / Ø 4 mm	-50 to +150 °C		10 s	0613 1212

Food probes

Food probes	Illustration		Meas. range	Accuracy	t_{99}	Part no.
⬧ Stainless steel NTC food probe (IP65) with PUR cable	125 mm / Ø 4 mm / Conn.: Fixed cable	15 mm / Ø 3 mm	-50 to +150 °C [2] / *-25 to +120 °C*	±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
⬧ Stainless steel NTC food probe (IP67) with Teflon cable to +250°C	125 mm / Ø 4 mm / Conn.: Fixed cable	15 mm / Ø 3 mm	-50 to +150 °C	±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
⬧ High temperature NTC food probe, stainless steel, can be used at up to +275°C, Teflon cable up to +200°C (short-term up to 250°C)	125 mm / Ø 4 mm / Fixed cable	15 mm / Ø 2.2 mm	0 to +275 °C	±1% of mv (+100.1 to +275 °C) ±(0.3 °C ±0.5% of mv)(0 to +100 °C)	6 s	0613 3411
⬧ Robust NTC food penetration probe with special handle, reinforced PUR cable	115 mm / Ø 5 mm / Conn.: Fixed cable	30 mm / Ø 3.5 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)	7 s	0613 2411
⬧ Frozen food probe NTC, corkscrew design	110 mm / Ø 8 mm / Conn.: Plug-in cable	30 mm / Ø 4 mm	-50 to +140 °C [2]	±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

⬧ The measuring instrument inside TopSafe is waterproof with this probe.

2) Long-term measurement range +125°C, short-term +150°C or +140°C (2 minutes)