

testo 112

The calibratable testo 112 precision temperature measuring instrument was designed specially for official inspection measurements. The instrument is approved for official measurements by food inspectors, assessors and official authorities on account of its PTB design approval and the option of calibrating it. A built-in self-test indicates correct functioning before measurement begins.

Owing to its wide 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 wide temperature range is covered, ranging from deep-frozen products to deep-fat fryer monitoring.

In order to document readings,

testo 112 provides the possibility of printing data directly on site 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 audible alarm.

Minimum and maximum limit values can be conveniently called up in the two-line display.

It is possible to print out readings on site on the Testo printer (optional).

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

Part no.

0560 1128

Calibratable Temperature Measuring Instrument

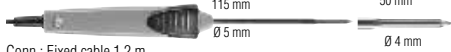

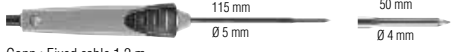
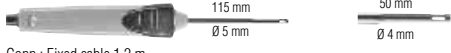
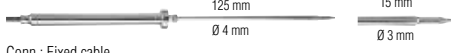
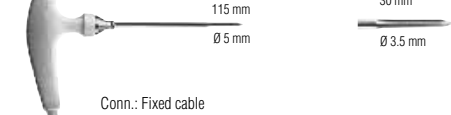
- The instrument for official food inspections
- Data printout on site on the Testo printer (optional)
- TopSafe, indestructible protection case (optional)
- Large, backlit display with 14 mm high characters
- Call up max/min values at the touch of a button
- Highly accurate, officially calibratable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



Air probes	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
<ul style="list-style-type: none"> ▪ Efficient, robust NTC air probe 	<p>Conn.: Fixed cable 1.2 m</p>	-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	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
<ul style="list-style-type: none"> ▪ Waterproof NTC surface probe for flat surfaces 	<p>Conn.: Fixed cable 1.2 m</p>	-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, T _{max} +75 °C, NTC	<p>Conn.: Fixed cable</p>	-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	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
<ul style="list-style-type: none"> ▪ Waterproof NTC immersion/penetration probe 	<p>Conn.: Fixed cable</p>	-50 to +150 °C	±0.5% of mv (+100 to +120 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	10 s	0613 1212
Food probes	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
<ul style="list-style-type: none"> ▪ Stainless steel NTC food probe (IP65) with PUR cable 	<p>Conn.: Fixed cable</p>	-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
<ul style="list-style-type: none"> ▪ Stainless steel NTC food probe (IP67) with Teflon cable to +250 °C 	<p>Conn.: Fixed cable</p>	-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
<ul style="list-style-type: none"> ▪ 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) 	<p>Fixed cable</p>	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
<ul style="list-style-type: none"> ▪ Robust NTC food penetration probe with special handle, reinforced PUR cable 	<p>Conn.: Fixed cable</p>	-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
<ul style="list-style-type: none"> ▪ Frozen food probe NTC, corkscrew design 	<p>Conn.: Plug-in cable</p>	-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.

testo 112
Accessories / Technical data
Calibratable probes

Pt100	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
Waterproof Pt100 immersion/penetration probe, calibratable Conn.: Fixed cable 1.2 m	 115 mm 50 mm Ø 5 mm Ø 4 mm	-50 to +300 °C	Class A	12 s	0614 1272
Robust stainless steel Pt100 food probe IP65, calibratable Conn.: Fixed cable 1.2 m	 125 mm 15 mm Ø 4 mm Ø 3 mm	-50 to +300 °C	Class A	10 s	0614 2272
NTC	Illustration	Meas. range	Accuracy	t ₉₉	Part no.
Waterproof NTC immersion/penetration probe, calibratable Conn.: Fixed cable 1.2 m	 115 mm 50 mm Ø 5 mm Ø 4 mm	-25 to +120 °C	±0.5% of mv (+100 to +120 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	10 s	0614 1212
Accurate, robust NTC air probe, calibratable Conn.: Fixed cable 1.2 m	 115 mm 50 mm Ø 5 mm Ø 4 mm	-25 to +120 °C	±0.5% of mv (+100 to +120 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	60 s	0614 1712
Stainless steel NTC food probe (IP65) with PUR cable Conn.: Fixed cable	 125 mm 15 mm Ø 4 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	0614 2211
Robust NTC food penetration probe with special handle, reinforced PUR cable Conn.: Fixed cable	 115 mm 30 mm Ø 5 mm Ø 3.5 mm	-50 to +120 °C	±0.5% of mv (+100 to +120 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)	7 s	0614 2411

♣ 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)

Accessories	Part no.
Accessories for measuring instrument	
9V rech. battery for instrument instead of battery	0515 0025
Recharger for 9V rechargeable battery for external recharging of 0515 0025 battery	0554 0025
Printer and Accessories	
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
Transport and Protection	
TopSafe, protects from impact and dirt	0516 0220
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 (+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	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	9V block battery, 6F22	Warranty 2 years

See back flap for radio probes