



testo 110

## Universal Highly Accurate Monitoring Thermometer

The ideal partner for production, storage, climate technology

NEW!

°C



## testo 110

## Multi-Purpose Highly Accurate Monitoring Thermometer

The highly accurate, versatile testo 110 temperature measuring instrument is ideal for applications in rough conditions on account of the protective case, TopSafe. The engineering used is specially designed for measurements in refrigerated store rooms, cabinets and for outdoors.

Minimum and maximum values are shown on a clear 2 line, backlit display or, if required, are printed on site on a Testo printer.

In addition to the wide range of standard handheld probes available (optional), a wireless radio probe can be used simultaneously.

- Wireless measurement with radio probes possible (optional)
- Measurement data printout on site on Testo printer (optional)
- TopSafe, the indestructible protective case (optional)
- Audible alarm (adjustable alarm limits)
- Minimum/maximum value store
- Large illuminated display
- Auto-hold automatically recognizes final value



Inspects a refrigerated counter for sufficient refrigeration power



Checks Incoming Goods, no annoying cables thanks to radio probe

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**

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
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

Technical data		
Probe type	NTC	NTC high temperature probe
Meas. range	-50 to +150 °C	0 to +275 °C
Accuracy ±1 digit	±0.2 °C (-20 to +80 °C) ±0.3 °C (remaining range)	±0.2 °C (0 to +80 °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 type	9V block battery, 6F22	Material/Housing	ABS
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)	Warranty	2 years

Air probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Efficient, robust NTC air probe</li> </ul>		-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 <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Waterproof NTC surface probe for flat surfaces</li> </ul>		-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 <sub>max.</sub> +75°C, NTC		-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	60 s	0613 4611
<ul style="list-style-type: none"> <li>Waterproof NTC immersion/penetration probe</li> </ul>		-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)	10 s	0613 1212
Food probes	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
<ul style="list-style-type: none"> <li>Stainless steel NTC food probe (IP65) with PUR cable</li> </ul>		-50 to +150 °C <sup>2)</sup> -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"> <li>Stainless steel NTC food probe (IP67) with Teflon cable to +250°C</li> </ul>		-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"> <li>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)</li> </ul>		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"> <li>Robust NTC food penetration probe with special handle, reinforced PUR cable</li> </ul>		-50 to +150 °C <sup>2)</sup>	±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"> <li>Frozen food probe NTC, corkscrew design</li> </ul>		-50 to +140 °C <sup>2)</sup>	±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)

### A 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, GB, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0554 0188
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA	915.00 MHz FSK	0554 0190

### B Radio probes for immersion/penetration measurements

Radio immersion/penetration probes	Meas. range	Accuracy	Resolution	t <sub>99</sub>
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 <sub>99</sub> (in water) 12 s
Country versions	Radio freq.	Part no.		
Radio immersion/penetration probe, NTC, approval for the countries: DE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0613 1001		
Radio immersion/penetration probe, NTC, approval for USA	915.00 MHz FSK	0613 1002		

#### Radio probes: General technical data

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

