



testo 110

Universal Highly Accurate Monitoring Thermometer

The ideal partner for production, storage, climate technology

NEW!

°C



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Universal 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)	0554 0568
Measurement data documentation legible for up to 10 years	
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 Thermometers 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	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	18208064* M40*0*/> mm
Storage temp.	-40 to +70 °C	Weight	171 g
Battery type	Alkali manganese	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 ₉₉	Part no.
<ul style="list-style-type: none"> Efficient, robust NTC air probe 	<p>115 mm 50 mm 5 mm 4 mm 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>115 mm 50 mm 5 mm 6 mm 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>300 mm 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>115 mm 50 mm 5 mm 4 mm Conn.: Fixed cable</p>	-50 to +150 °C		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>125 mm 15 mm 4 mm 3 mm 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>125 mm 15 mm 4 mm 3 mm 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>125 mm 15 mm 4 mm 2.2 mm 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>115 mm 50 mm 5 mm 3.5 mm 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>110 mm 8 mm 30 mm 4 mm 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.

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, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0554 0188
Radio module for measuring instrument 869.35 MHz ASK, approval for the countries: FR, GB, BE	869.35 MHz ASK	0554 0192
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 ₉₉
Radio immersion/penetration probe, NTC <p>76 mm 29 mm 5 mm 3.4 mm</p>	-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, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR	869.85 MHz FSK	0613 1001		
Radio immersion/penetration probe, NTC, approval for the countries: FR, GB, BE	869.35 MHz ASK	0613 1003		
Radio immersion/penetration probe, NTC, approval for USA	915.00 MHz FSK	0613 1002		

Radio probes: General technical data		Measuring rate	Radio transmission
Battery type	Radio immersion/penetration probe, NTC 2 x 3V button cell (CR 2032)	0.5 s or 10 s, adjustable on handle	Unidirectional
Battery life	Radio handle 2 AAA micro batteries		
	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)	Radio coverage	Oper. temp. -20 to +50 °C Storage temp. -40 to +70 °C
		Up to 20 m	

