

# Temperature measurement – High accuracy

## testo 110

testo 110 is a highly accurate thermometer. The technology used is specially designed for use in refrigerated store rooms, cabinets and for production.



The TopSafe case protects from dirt, water and impact (optional)



Checking the temperature during production

**testo 110**  
Thermometer, with battery and calibration protocol

**Part no. 0560 1106**

Accessories	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 (indestructible protection case) with bench stand, Protects thermometer from corrosive substances, water, impact...Instrument has IP68 with all probes	0516 0187
Accessories set (for instrument without TopSafe) includes multi-function clip, carrier loop, probe holder	0554 0550
Accessories set (for instrument with TopSafe) includes multi-function clip and probe holder	0554 0552
Case for instrument and probes, For safe and orderly storage	0516 0182
Transport case (plastic) for instrument and accessories, For safe and orderly storage	0516 0184
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, Thermometers with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071

Technical data	testo 110
Probe type	NTC
Meas. range	-50 to +275 °C
Accuracy ±1 digit	±0.5% of mv (+100 to +275 °C) ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (remaining range)
Oper. temp.	0 to +40 °C
Battery life	100 h
Dimensions	190 x 57 x 42 mm
Weight	300 g

Description	Illustration	Meas. range	Accuracy	t <sub>99</sub>	Part no.
Waterproof immersion/penetration probe		-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)	10 s	0613 1211 Conn.: Fixed cable
Robust food penetration probe with special handle, IP 65, reinforced cable (PUR) and reinforced protection against buckling		-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* Conn.: Fixed cable
Robust, affordable air probe to check storage temperatures		-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)	60 s	0613 1711 Conn.: Fixed cable
Food probe (IP65) stainless steel, PUR cable can be used at up to +80°C, IP54 plug-in connection		-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)	8 s	0613 2211 Conn.: Fixed cable
Food probe, stainless steel (IP67), with Teflon cable resistant to temperatures of up to +200°C (short-term to +250°C)		-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)	8 s	0613 3311 Conn.: Fixed cable
High temperature food probe, stainless steel, can be used at up to +275°C, Teflon cable up to +200°C (short-term up to 250°C)		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 Conn.: Fixed cable

<sup>1)</sup> The measuring instrument inside TopSafe is waterproof with this probe.  
<sup>2)</sup> Long-term measurement range +125°C, short-term +150°C or +140°C (2 minutes)

\* Probe tested to EN 12830 for suitability in the transport and storage sectors

