We measure it. testo

Folding thermometer

testo 103 – The smallest folding thermometer in its class

- Ideally suited for applications in the food sector
- Easy to operate
- Handy and small – fits in any trouser or jacket pocket
- Robust probe with narrow measurement tip
- Hygienic and easy-to-clean measurement tip
- Splash-proof according to IP55
- Certified according to EN 13485

At a length of 11 cm, the testo 103 is the smallest folding thermometer in its class. It hardly takes up any space, so you can simply stow it in your breast or trouser pocket. That way, it is always quickly available and close to hand. The small folding thermometer is immediately ready to measure after folding out to an angle of greater than 30°, and is therefore flexible in its application. After measurement, the probe can simply be folded away and stored safely until the next measurement.

The folding thermometer testo 103 is conform to HACCP and EN 13485. Its narrow measurement tip leaves only small punctures in the foodstuffs, making it optimally suitable for spot checks – for example in production, storage and processing, in gastronomy, in supermarket chains, in food retail or in industry

Technical data

testo 103

The testo 103 the smallest folding thermometer of its class!
It offers handy, practical and strong support when carrying out monitoring measurements.

Part no. 0560 0103

Sensor type	**NTC**
Meas. range	-30 to +220 °C
Accuracy ±1 digit	±0.5 °C (-30 to +99.9 °C) ±1 % of mv (+100 to +220 °C)
Resolution	0.1 °C / °F

General technical data

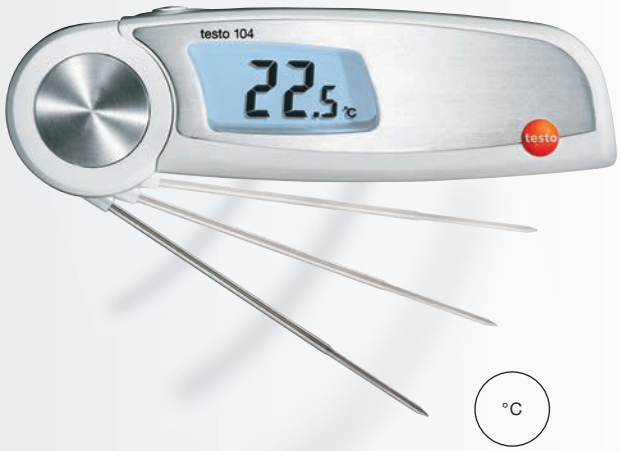
Storage temp.	-30 to +70 °C
Oper. temp.	-20 to +60 °C
Battery type	2 lithium batteries (CR2032)
Battery life	300 h (typical)
Dimensions Probe length/diameter Probe tip diameter	189 x 35 x 19 mm (Probe folded out) 75 mm / Ø 3 mm 22 mm / Ø 2,3 mm
Display	LCD, 1 line, non-illuminated
Reaction time	t_{99} = 10 s
Switch on/off	With folding mechanism (approx. 30°) / Auto off after 60 mins.
Material/Housing	ABS
Weight	49 g
Protection class	IP55
Warranty	1 year
Certificate	EN 13485

We measure it. testo

Folding thermometer

testo 104 – The first waterproof folding thermometer

- Waterproof: can be cleaned under running water according to protection class IP 65
- Ideally suited for applications in the food sector
- Robust metal folding joint with long measurement tip
- Automatic recognition of final value (Auto hold) and min./max. store
- Rubber-coated surface for non-slip handling
- Coloured strips for differentiated instruments
- Certified EN 13485



The testo 104 is the first ever waterproof folding thermometer! Its protection class IP65 allows the instrument to be cleaned under running water, and use under any conditions. The instrument has a robust metal joint and a very rigid, long temperature probe. The surface is covered with non-slip rubber, guaranteeing especially comfortable, safe handling and measurement. With the help of coloured strips, the instrument can be easily allocated and personalized.

The folding thermometer testo 104 is conform to HACCP and EN 13485. Its narrow measurement tip leaves only small punctures in the foodstuffs, making it ideal for spot check measurements – for example in production, storage and processing, in gastronomy, in supermarket chains, in food retail or in industry.

Technical data

testo 104

The testo 104 is the first waterproof folding thermometer!
It offers handy, practical and strong support when carrying out monitoring measurements.

Part no. 0563 0104

Sensor type	**NTC**
Meas. range	-50 to +250 °C
Accuracy ±1 digit	±1.0 °C (-50 to -30.1 °C) ±0.5 °C (-30 to +99.9 °C) ±1 % of mv (+100 to +250 °C)
Resolution	0.1 °C / °F / °R

General technical data

Oper. temp.	-20 to +60 °C
Storage temp.	-30 to +70 °C
Battery type	2 batteries Type AAA
Battery life	100 h (typical)
Dimensions Probe length / diameter Probe tip diameter	265 x 48 x 19 mm (Probe folded out) 106 mm / Ø 3 mm 32 mm / Ø 2,3 mm
Display	LCD, 1 line, illuminated
Reaction time	t99 = 10 s
Further functions	t99 = Auto hold, hold, min./max.
Switch on/off	With folding mechanism (approx. 30°) / Auto off after 60 mins
Material/Housing	ABS / TPE / PC, diecast zinc, stainless steel
Weight	165 g
Protection class	IP65
Warranty	1 year
Certificate	EN 13485

We measure it. testo

Multi-purpose infrared and penetration thermometer

testo 104-IR – Multi-scanning with penetration control

- One product, two purposes: Infrared and penetration thermometer
- Fits in any jacket pocket thanks to its folding mechanism
- Precise 2-point laser with 10:1 optics displays the exact measuring range and guarantees error-free measurements
- High-quality, robust folding joint for rough work projects
- Waterproof (IP65) and HACCP-compliant

The testo 104-IR is a waterproof (IP65) penetration thermometer combined with an infrared sensor for non-contact temperature measurement. It can be used for all sorts of applications in the food sector. The testo 104-IR scans the surface temperature of individual foods or entire goods pallets without contact, particularly in the Incoming Goods department. If a limit value is exceeded or undershot, the hinged penetration probe is also able to measure the core temperature.

The multi-purpose instrument is handy and practical, because it fits into any jacket pocket. The penetration probe is always securely stowed on the instrument itself. As soon as the probe is opened up, the display is activated. And the IR measurement starts at the touch of a button. Thanks to the large display, it is really easy to read the measurement result.

The few buttons are self-explanatory and any user will find it easy to operate them. No time-consuming measurements, no complicated handling, no compromises. Supply consumers with exclusively flawless goods using the testo 104-IR.

Technical data

testo 104-IR

testo 104-IR, infrared/penetration thermometer, waterproof, folding, incl. batteries and calibration protocol

Part no. 0560 1040

Accessories

	Part no.	
ISO calibration certificate/temperature for air/immersion probes, calibration point -18°C	0520 0061	
ISO calibration certificate/temperature for air/immersion probes, calibration point 0°C	0520 0062	
ISO calibration certificate/temperature For air/immersion probes, calibration points -18°C; +60°C	0520 0043	
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature Infrared thermometers, calibration points -18°C, 0°C, +60°C	0520 0401	
ISO calibration certificate temperature Infrared thermometers, calibration points 0°C, +60°C	0520 0452	

Sensor type	**NTC**
Meas. range	-50 to +250 °C
Accuracy ±1 digit	±1 °C (-50.0 to -30.1 °C) ±0.5 °C (-30.0 to +99.9 °C) ±1% of mv (remaining range)
Resolution	0.1 °C
t_{99}	10 s (measured in moving liquid)
Measurement rate	0,5 s

Sensor type	**Infrared**
Meas. range	-30 to +250 °C
Accuracy ±1 digit	±2.5 °C (-30.0 to -20.1 °C) ±2.0 °C (-20.0 to -0.1 °C) ± 1 °C or ±1.5% of mv (remaining range)
Resolution	0,1 °C
Measurement rate	0,5 s
Optics	10:1 + opening diameter of the sensor (12 mm)
Meas. spot marking	2 point laser
Spectral range	8 to 14 µm
Emissivity	0.10 to 1.00 (0.01 steps)
Laser marking	on / off

General technical data

Measurement value	temperature °C/°F/°R
Measurement mode	Hold or auto hold (immersion probe)
Oper. temp.	-20 to +50 °C
Storage temp.	-30 to +50 °C
Battery type	2 batteries Type AAA
Battery life	10 h
Display	LCD, single line, illuminated, with status line (°C,°F,°R, battery, hold/auto hold, min, max, laser, measurement, emissivity)
Protection class	IP65
Dimensions	281 x 48 x 21 mm (probe folded out) 178 x 48 x 21 mm (probe not folded out)
Material/Housing	ABS / TPE / PC, diecast zine, stainless steel
Weight	197 g (incl. batteries)
Standards	EN13485
Warranty	1 year

We measure it. testo

One-hand temperature measuring instrument

testo 105

- Ideally suited to applications in the food sector
- Exchangeable measurement tips
- 2 freely adjustable limit values
- Audible and optical alarm
- One-line display, illuminated
- Especially robust, can be cleaned under running water (according to protection class IP65)
- Certified according to EN 13485

The testo 105 is a robust food thermometer with exchangeable measurement tips for temperature measurement on semi-solid media. It has an additional measurement tip for frozen goods. Depending on the probe used, it is particularly suited to applications in the areas of gastronomy, refrigerated rooms, large kitchens, supermarkets and the checking of Incoming Goods.

Since it can be cleaned under running water according to IP65, it is especially hygienic, and applicable everywhere, thanks to its robustness. An audible and an optical alarm reliably warn when individually adjustable upper and lower limit values are violated.

Technical data / Accessories

testo 105

One-hand thermometer with standard measurement tip, backlit display, protection class IP65, incl. belt/wall holder and batteries

Part no. 0563 1051

Sensor type	NTC
Meas. range	-50 to +275 °C
Accuracy ±1 digit	±0.5 °C (-20 to +100 °C) ±1 °C (-50 to -20.1 °C) ±1 % of mv (+100.1 to +275 °C)
Resolution	0.1 °C

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C
Battery type	Button cell LR44
Battery life	80 h
Auto Off	10 min
Dimensions	145 x 38 x 195 mm
Display	LCD, 1 line
Weight	139 g
Protection class	IP65
Warranty	1 year

Set	Part no.	
Set testo 105, one-hand thermometer with standard measurement tip, frozen food tip, long measurement tip and belt/wall holder and aluminium case	0563 1052	
testo 105, one-hand thermometer with frozen food measurement tip, belt/wall holder and batteries	0563 1054	

Accessories	Part no.	
Accessories for measuring instrument		
Standard measurement tip, 100 mm long	0613 1051	
Frozen food tip, 90 mm long	0613 1052	
Long measurement tip, 200 mm long	0613 1053	
ISO calibration certificate/temperature; for air/immersion probes, calibration points -18°C; 0°C	0520 0041	
Button cell batteries, Type LR 44, 1.5 Volt (4 off)	0515 0032	

We measure it. testo

Core temperature thermometer

testo 106 – The compact food thermometer

°C

- Ideal for use in the food sector
- TopSafe: dishwasher-safe protective cover (IP65), protects from dirt and impact
- Small, handy and always ready to hand
- Audible and optical alarm
- Automatic final value recognition (Auto-hold)
- Hardly visible punctures
- Certified according to EN 13485 (only in combination with TopSafe)

The core thermometer testo 106 is especially fast and robust. Its small handy shape means it is always close to hand and ready for use. Thanks to its very thin and robust measurement tip, it is excellently suited to core temperature checks in gastronomy, hotels, large kitchens, supermarkets etc. The dishwasher-safe TopSafe protects the instrument from dirt, water and impact.

The testo 106 is comform to HACCP as well as EN 13485. If required, upper and lower limit values can be stored in the instrument; as soon as these values are violated, audible and optical warning signals are given. This alarm function and the automatic final value recognition facilitate measurement and support you in recognizing and interpreting measurement values quickly and correctly.

Technical data / Accessories

testo 106

testo 106, food core thermometer incl. probe protecting cap and battery

Part no. 0560 1063

Set testo 106

Set testo 106, food core thermometer incl. TopSafe (waterproof protection case, IP67, attachment clip, probe protection cap and battery

Part no. 0563 1063

Sensor type	**NTC**
Meas. range	-50 to +275 °C
Accuracy ±1 digit	±1 % of mv (+100 to +275 °C) ±0.5 °C (-30 to +99.9 °C) ±1 °C (-50 to -30.1 °C)
Resolution	0.1 °C

General technical data

Storage temp.	-40 to +70 °C
Oper. temp.	-20 to +50 °C
t_{99}	10 s
Battery type	3V button cell (CR 2032)
Battery life	350 h
Weight	80 g
Dimensions Length Probe shaft / Probe shaft tip Diameter Probe shaft / Probe shaft tip	215 x 34 x 19 mm 55 mm / 15 mm Ø 3 mm / Ø 2.2 mm
Display	LCD, 1 line
Material/Housing	ABS
Protection class	IP 67 with TopSafe
Warranty	1 year

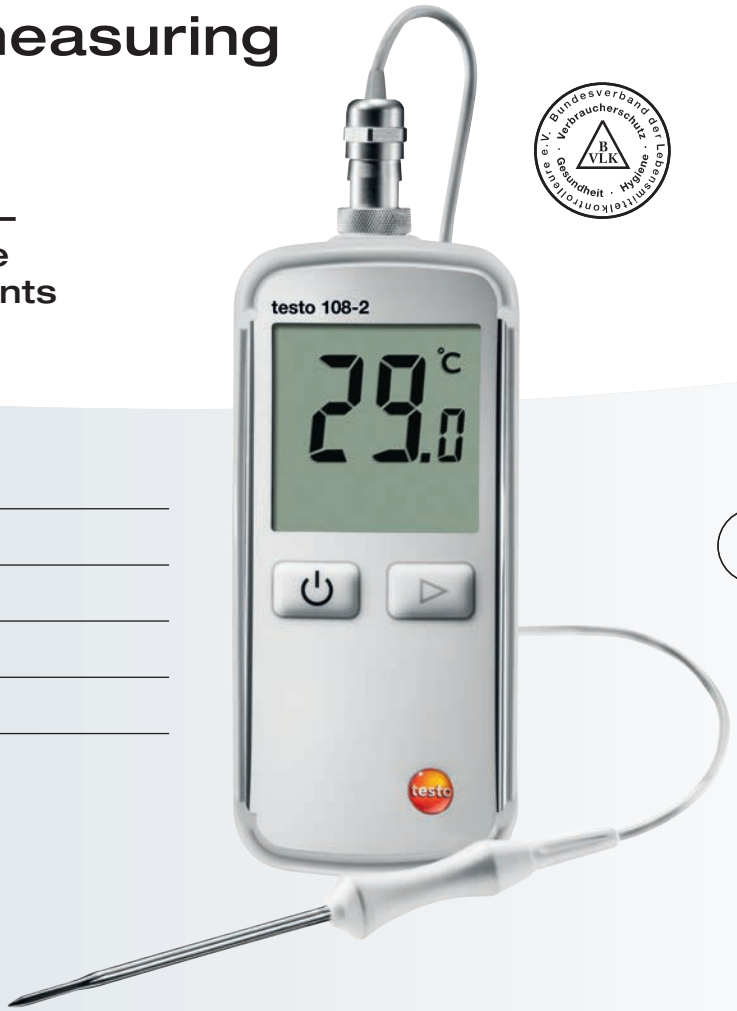
Accessories

	Part no.	
Accessories for measuring instrument		
TopSafe (indestructible protection case); waterproof and dishwasher-safe protection case (IP67)	0516 8265	
Holding clip with probe protection cap	0554 0825	
ISO calibration certificate/temperature ; for air/immersion probes, calibration point +60°C	0520 0063	
ISO calibration certificate/temperature ; for air/immersion probes, calibration point -18°C	0520 0061	
ISO calibration certificate/temperature ; for air/immersion probes, calibration point 0°C	0520 0062	
ISO calibration certificate/temperature ; for air/immersion probes, calibration points -18°C; 0°C	0520 0041	
ISO calibration certificate/temperature ; for air/immersion probes, calibration points -8°C; 0°C; +40°C	0520 0181	

We measure it. testo

Temperature measuring instrument

testo 108 product series – for fast, easy and precise temperature measurements



- Easy operation and handling
- Instrument and probe waterproof (IP67)
- Conform to HACCP and EN 13485
- Universally applicable

Temperature measurements are among the tasks carried out daily in the food sector. Only by taking precise measurements can the quality of the products be monitored and guaranteed. And it is the only way to fulfil the HACCP guidelines.

The thermometers from the product series testo 108 carry out spot check measurements in seconds. Whether in the transportation and storage of foodstuffs, in restaurants, in large kitchens or in chain restaurants. The testo 108 is insensitive to moisture and water, and thanks to the softcase (protective cover), is safe from impact damage and dirt.

Technical data

testo 108

testo 108, waterproof temperature instrument (Type T and K), incl. thermocouple probe type T, Softcase and calibration protocol

Part no. 0563 1080

testo 108-2

testo 108-2, waterproof TC temperature measuring instrument (Type T), incl. lockable thermocouple probe Type T, softcase and calibration protocol.

Part no. 0563 1082

testo 108-2

- Screw-in probe lockable, provides absolutely secure attachment
- Auto-hold, hold and min./max. function

Sensor type

Measurement unit	Temperature °C
Connectable sensor types	Thermocouple Type T and Type K (testo 108) Thermocouple Type T (testo 108-2)
Measuring range	-50 to +300 °C
Accuracy Instrument (Ambient temperature +23 °C ±3 °C)	±0.5 °C (-30 to +70 °C) ±0.5 °C ±0.5 % of mv (remaining range)
Accuracy Probes	±0.5 °C (-40 to -20 °C) ±0.2 °C (-20 to +70 °C) ±0.5 °C (+70 to +125 °C) ±0.4 % of mv (+125 to +300 °C)
Resolution	0.1 °C

General technical data

Operating temperature	-20 to +60 °C
Storage temperature	-30 to +70 °C
Protection class	IP67 (with delivered probe connected)
Measurement rate	2 measurements per second
Adjustment time t_{99}	10 s (in moving liquid)
Display	LCD, one-line, with status line
Standard	EN 13485
EC guideline	2004/108/EG
Power supply	3 x battery Type AAA
Battery life	2500 h (typical, at 23 °C)
Features	Auto-hold, hold and min./max. function (testo 108-2)
Warranty	1 year

Accessories for measuring instrument

	Part no.	
Standard TC penetration probe Type T for testo 108	0602 1080	
Standard TC penetration probe Type T for testo 108-2	0602 1081	

We measure it. testo

Temperature measuring instrument (1-channel)

testo 110 – Universally applicable

°C

- Wireless measurement with radio probes possible
- TopSafe, the indestructible protective case, protects from dirt and impact (with TopSafe and probe attached)
- Automatic final value recognition (Auto-hold)
- Audible alarm (settable limit values)
- Min./max. value store
- Large illuminated display
- Certified according to EN 13485

The testo 110 is a highly accurate, universally applicable temperature measuring instrument. The optional protective cover (TopSafe) protects it reliably from dirt, water and impact; this makes it ideal for use in tough surroundings. With the TopSafe, the testo 110 conforms to HACCP as well as EN 13485.

The monitoring measuring instrument is especially designed for measurements in refrigerated rooms and buildings, and in outdoor areas. In addition to the wide selection of classical probes, a wireless radio probe can simultaneously be used (when the wireless module in used in the instrument). As the user, you can set your own upper and lower limit values in the instrument; as soon as these values are violated, an audible alarm sounds. In addition to this, the minimum and maximum values are clearly shown in the 2-line backlit display.

Temperature measuring instrument (1-channel)

testo 110

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

Optional protective case TopSafe

Probe connection

Sensor type	NTC
Meas. range	-50 to +150 °C
Accuracy ±1 digit	±0.2 °C (-20 to +80 °C) ±0.3 °C (remaining range)
Resolution	0.1 °C

General technical data

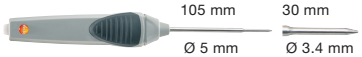
Storage temp.	-40 to +70 °C
Oper. temp.	-20 to +50 °C
Battery type	9V block battery, 6F22
Battery life	200 h (connected probe, backlight off) 45 h (radio mode, backlight off) 68 h (connected probe, backlight always on) 33 h (radio mode, backlight always on)
Weight	171 g
Dimensions	182 x 64 x 40 mm
Material/Housing	ABS
Warranty	1 year

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	
Lithium battery button cell , CR2032 AA batteries for radio handle	0515 0028	
Radio module for upgrading measuring instrument with radio option		
Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	0554 0188	
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	0554 0190	
Printer and Accessories		
Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink; measurement data documentation legible for up to 10 years	0554 0568	
External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz	0554 0610	
Transport and Protection		
TopSafe, protects from impact and dirt (incl. 2 attachment magnets)	0516 0221	
Case for measuring instrument and probes	0516 0210	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201	
Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm)	0516 0200	
Calibration Certificates		
ISO calibration certificate/temperature, for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature, single point calibration for surface thermometer; calibration point +60°C	0520 0072	
ISO calibration certificate/temperature, single point calibration for surface thermometer; calibration point +120°C	0520 0073	
DAkkS calibration certificate/temperature, meas. instr. with air/immersion probe; calibration points -20 °C; 0 °C; +60 °C	0520 0211	

Radio probes

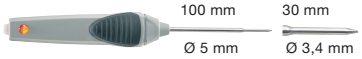
Radio probes for immersion/penetration measurements

	Part no.
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0613 1001
Radio immersion/penetration probe, NTC, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0613 1002

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 105 mm 30 mm Ø 5 mm Ø 3.4 mm	-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

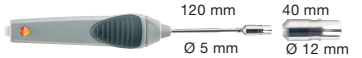
Radio handles with probe head for air-/ immersion-penetration-meas.

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K (0554 0189)	0602 0293
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K (0554 0189)	0602 0293

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 100 mm 30 mm Ø 5 mm Ø 3,4 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t_{99} (in water) 10 s

Radio handles with probe head for surface measurement

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 120 mm 40 mm Ø 5 mm Ø 12 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s

Radio handles for attachable T/C probes

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO ; Radio freq. 869.85 MHz FSK	0554 0189
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191

Illustration	Measuring range	Accuracy	Resolution
	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)

Technical data Radio probes

Radio immersion/penetration probe, NTC

Battery type	2 x 3V button cell (CR 2032)
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)

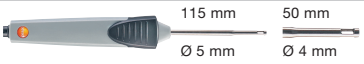
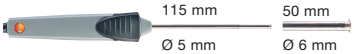
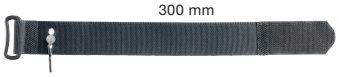
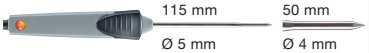
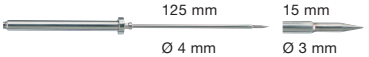
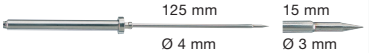
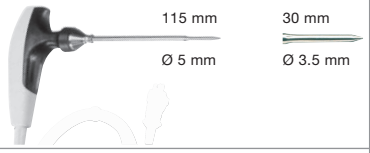
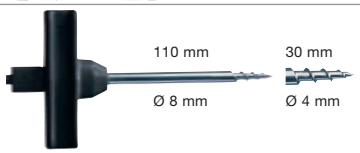
Radio handle

Battery type	2 AAA micro batteries
Battery life	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)

Common Technical Data

Measuring rate	0.5 s or 10 s, adjustable on handle
Radio coverage	Up to 20 m (without obstructions)
Radio transmission	Unidirectional
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Air probes					
Efficient, robust NTC air probe, Fixed cable 1.2 m	 115 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +125 °C [2]	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	60 s	0613 1712
Surface probes					
Waterproof NTC surface probe for flat surfaces, Fixed cable 1.2 m	 115 mm Ø 5 mm 50 mm Ø 6 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)	35 s	0613 1912
Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, Tmax. +75°C, NTC, Fixed cable 1.5 m	 300 mm	-50 to +70 °C [2]	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	60 s	0613 4611
Immers./penetr. probes					
Waterproof NTC immersion/penetration probe, Fixed cable 1.2 m	 115 mm Ø 5 mm 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)	10 s	0613 1212
Food probes					
Stainless steel NTC food probe (IP65) with PUR cable, Fixed cable 1.6 m	 125 mm Ø 4 mm 15 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	0613 2211
Stainless steel NTC food probe (IP67) with PTFE cable to +250°C, Fixed cable	 125 mm Ø 4 mm 15 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	0613 3311
Robust NTC food penetration probe with special handle, reinforced PUR cable, Fixed cable	 115 mm Ø 5 mm 30 mm Ø 3.5 mm	-25 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 (incl. plug-in wire)	 110 mm Ø 8 mm 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)

We measure it. testo

Temperature measuring instrument (1-channel)

testo 112 – Universally applicable

°C

- Highly accurate, officially calibratable temperature measuring instrument
- The instrument for official food inspections
- TopSafe, the indestructible protective cover, protects from dirt and impact
  (with TopSafe and probe attached: IP65)
- Display and storage of min./max. values
- Audible alarm (limit values adjustable)
- Large, illuminated display
- Measurement data printout on site with Testo fast printer

The officially calibratable temperature measuring instrument testo 112 was specially designed for official monitoring measurements. Thanks to the PTB type permit and the possibility of official calibration, the instrument is authorized for use in official measurements by food inspectors, assessors and authorities.
An integrated self-test provides security even before the measurement. Thanks to the broad measurement range, the testo 112 is the ideal temperature measuring instrument for all aspects of food inspection. NTC probes (thermistor probes) as well as Pt100 probes (platinum resistance probes) can be connected to the probe input, covering a broad measuring range from deep-frozen goods to checks on deep-fryers. Occurring minimum and maximum values can be conveniently called up in the two-line display, and when individually adjustable upper and lower limit values are violated, the measuring instrument immediately provides an audible alarm.
In order to document the temperature values, the testo 112 offers the possibility of printing out the data directly on site incl. date and time using the Testo report printer.

Technical data / Accessories

testo 112

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

Part no. 0560 1128

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-30 to +70 °C
Battery life	100 h
Battery type	9V block battery, 6F22
Dimensions	182 x 64 x 40 mm
Weight	171 g
Material/Housing	ABS
Warranty	1 year

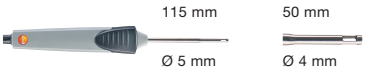
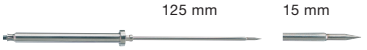
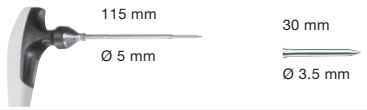
Sensor types

	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

Accessories

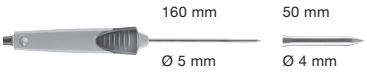
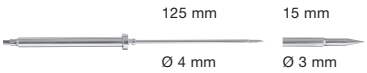
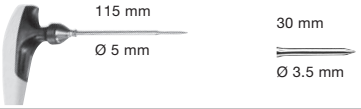
	Part no.	
Accessories for measuring instrument		
9V rech. battery for instrument, instead of battery	0515 0025	
Recharger for 9V rechargeable battery for external recharging of 0515 0025 battery	0554 0025	
Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink measurement data documentation legible for up to 10 years	0554 0568	
External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz	0554 0610	
TopSafe, protects from impact and dirt	0516 0220	
Case for measuring instrument and probes	0516 0210	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201	
Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm)	0516 0200	

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Air probes					
Efficient, robust NTC air probe, Fixed cable 1.2 m	 115 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +125 °C [2]	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	60 s	0613 1712
Surface probes					
Waterproof NTC surface probe for flat surfaces, Fixed cable 1.2 m	115 mm Ø 5 mm 50 mm Ø 6 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)	35 s	0613 1912
Pipe wrap probe with Velcro for pipe diameter to max. 75 mm, Tmax. +75°C, NTC, Fixed cable	300 mm	-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					
Waterproof NTC immersion/penetration probe, Fixed cable	115 mm Ø 5 mm 50 mm Ø 4 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)	10 s	0613 1212
Food probes					
Stainless steel NTC food probe (IP65) with PUR cable, Fixed cable	 125 mm Ø 4 mm 15 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	0613 2211
Stainless steel NTC food probe (IP67) with PTFE cable to +250°C, Fixed cable	125 mm Ø 4 mm 15 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	0613 3311
Robust NTC food penetration probe with special handle, reinforced PUR cable, Fixed cable	 115 mm Ø 5 mm 30 mm Ø 3.5 mm	-25 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 (incl. plug-in wire), Plug-in cable	110 mm Ø 8 mm 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)

Calibratable probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Pt100					
Waterproof Pt100 immersion/penetration probe, calibratable, Fixed cable1.2 m	 160 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +300 °C	Class A	12 s	0614 1272
Robust stainless steel Pt100 food probe IP65, calibratable, Fixed cable 1.2 m	 125 mm Ø 4 mm 15 mm Ø 3 mm	-50 to +300 °C	Class A	10 s	0614 2272
NTC					
Waterproof NTC immersion/penetration probe, calibratble, Fixed cable 1.2 m	160 mm Ø 5 mm 50 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, Fixed cable 1.2 m	115 mm Ø 5 mm 50 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, calibratable (IP65), PUR cable can be used up to +80°C, IP54 plug-in connection, Fixed cable	125 mm Ø 4 mm 15 mm Ø 3 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 2211
Robust NTC food penetration probe with special handle, reinforced PUR cable, Fixed cable	 115 mm Ø 5 mm 30 mm Ø 3.5 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)	7 s	0614 2411

The measuring instrument inside TopSafe is waterproof with this probe.

We measure it. testo

One-hand pH/temperature measuring instrument

testo 205

- pH tip embedded in breakage-proof plastic
- Combined penetration tip with temperature probe
- Maintenance-free gel electrolyte
- Measurement tip exchangeable by user
- Automatic final value recognition (auto-hold)
- 2-line, illuminated display
- 1, 2 or 3 point calibration possible

PH

°C

The testo 205 is a robust food penetration measuring instrument for temperature and pH values, with automatic temperature compensation. The robust penetration measurement tip is exchangeable and insenstitive to dirt thanks to the hole diaphragm.

The instrument is especially well suited to pH measurements in semi-solid media such as meat. The storage cap filled with electrolyte gel is used for storing the probe between measurements.

Technical data / Accessories

testo 205

One-hand pH/°C measuring instrument with penetration probe, storage cap, belt/wall holder

Part no. 0563 2051

testo 205, Starter set

One-hand pH/°C meas. instr. with penetration probe, storage cap, gel and cal. bottles 250 ml pH 4+7, belt/wall holder and aluminium case

Part no. 0563 2052

General technical data

Storage temp.	-20 to +70 °C
Oper. temp.	0 to +50 °C
Battery type	4 x Button cell LR44
Battery life	80 h (Auto Off 10 Min)
Weight	135 g
Dimensions	145 x 38 x 167 mm
Display	LCD, 2 lines

Sensor types

	pH electrode	NTC
Meas. range	0 to 14 pH	0 to 60 °C (Short-term to +80 °C max. 5 min)
Accuracy ±1 digit	±0.02 pH	±0.4 °C
Resolution	0.01 pH	0.1 °C

Accessories

	Part no.	
Accessories for measuring instrument		
Spare pH probe for testo 205 with gel storage cap	0650 2051	
Storage cap for testo 205 with KCL gel filling	0554 2051	
Button cell batteries, Type LR 44, 1.5 Volt (4 off)	0515 0032	
pH buffer solution 4.01 in dosing bottle (250 ml) with DAkkS calibration certificate	0554 2061	
pH buffer solution 7.00 in dosing bottle (250 ml) with DAkkS calibration certificate	0554 2063	

We measure it. testo

Temperature measuring instrument (1-channel)

testo 720

°C

- Ideally suitable for applications in laboratories and industry
- Continuous display of min./max. values
- Audible alarm (adjustable limit values)
- Resistant to aggressive media with TopSafe
- Hold-button for freezing measurement display
- Large illuminated display
- Measurement data printout on site with Testo fast printer

The testo 720 is a robust temperature measuring instrument for precise air, surface and immersion measurements in the measuring range from -100 to +800 °C. It is possible to connect Pt100 probes as well as NTC probes to the one-channel measuring instrument.
In combination with the TopSafe, the testo 720 is resistant to aggressive media – as is the glass-coated probe, which has proven its worth in daily laboratory work.

You, as the user, can store limit values in the instrument yourself; as soon as these upper or lower limits are violated, an audible alarm sounds. The instrument also continuously shows all minimum and maximum values in its large backlit display. Using the optional Testo report printer, the measurement results can be directly printed out on site as required.

Technical data / Accessories

testo 720

testo 720, 1 channel temperature measuring instrument Pt100/NTC, with battery and calibration protocol

Part no. 0560 7207

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-30 to +70 °C
Battery type	9V block battery
Battery life	70 h
Dimensions	182 x 64 x 40 mm
Weight	171 g
Material/Housing	ABS
Warranty	1 year

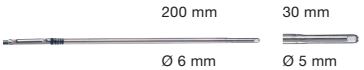
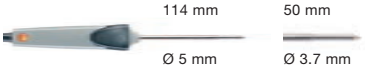
Sensor types

	Pt100	**NTC**
Meas. range	-100 to +800 °C	-50 to +150 °C
Accuracy ±1 digit	±0.2% of mv (+200 to +800 °C) ±0.2 °C (remaining range)	±0.2 °C (-25 to +40 °C) ±0.3 °C (+40.1 to +80 °C) ±0.4 °C (+80.1 to +125 °C) ±0.5 °C (remaining range)
Resolution	0.1 °C	0.1 °C

Accessories

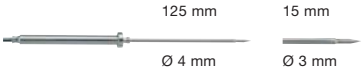
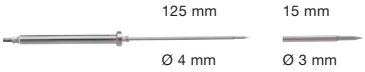
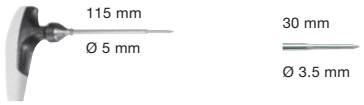
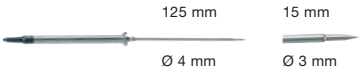
	Part no.	
Accessories for measuring instrument		
9V rech. battery for instrument, instead of battery	0515 0025	
Recharger for 9V rechargeable battery for external recharging of 0515 0025 battery	0554 0025	
Testo fast printer with wireless infrared interface, 1 roll thermal paper and 4 AA batteries	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink	0554 0568	
TopSafe, protects from impact and dirt (incl. 2 attachment magnets)	0516 0221	
Case for measuring instrument and probes	0516 0210	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201	
Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm)	0516 0200	
Silicone heat paste (14g), Tmax = +260°C improves heat transfer in surface probes	0554 0004	
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 air/immersion probe; cal. points 0°C; +150°C; +300°C	0520 0021	
ISO calibration certificate/temperature meas. instr. with air/immersion probe; calibration points 0°C; +300°C; +600°C	0520 0031	
DAkkS calibration certificate/temperature meas. instr. with air/immersion probe; calibration points -20 °C; 0 °C; +60 °C	0520 0211	
ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071	
DAkkS calibration certificate/temperature contact surface temperature probes; calibration points +100°C; +200°C; +300°C	0520 0271	

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t99	Part no.
Laboratory probes					
Laboratory probe Pt100, glass-coated, exchangeable glass pipe (Duran 50), resistant to corrosive substances, Fixed cable	 200 mm Ø 6 mm 30 mm Ø 5 mm	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) 1)	45 s 12 s 1)	0609 7072
Air probes					
Efficient, robust NTC air probe, Fixed cable 1.2 m	115 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +125 °C	±0.2 °C (-25 to +80 °C) ±0.4 °C (remaining range)	60 s	0613 1712
Efficient, robust air probe, Pt100, Fixed cable	114 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) 1)	70 s	0609 1773
Surface probes					
Waterproof NTC surface probe for flat surfaces, Fixed cable 1.2 m	115 mm Ø 5 mm 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	-50 to +70 °C	±0.2 °C (-25 to +70 °C) ±0.4 °C (-50 to -25.1 °C)	60 s	0613 4611
Robust, waterproof surface temperature probe, Pt100, Fixed cable	114 mm Ø 5 mm Ø 9 mm	-50 to +400 °C	Class B 1)	40 s	0609 1973
Immers./penetr. probes					
Waterproof NTC immersion/penetration probe, Fixed cable	115 mm Ø 5 mm 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)	10 s	0613 1212
Robust, waterproof Pt100 immersion/penetration probe, Fixed cable	 114 mm Ø 5 mm 50 mm Ø 3.7 mm	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) 1)	12 s	0609 1273

The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard 60751, the accuracies of Class A and B refer to -200 to +600 °C (Pt100)

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Food probes					
Stainless steel NTC food probe (IP65) with PUR cable, Fixed cable		-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	0613 2211
Stainless steel NTC food probe (IP67) with PTFE cable to +250°C, Fixed cable		-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
Robust NTC food penetration probe with special handle, reinforced PUR cable, Fixed cable		-25 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 (incl. plug-in wire), Plug-in cable		-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
Robust, Pt100 stainless steel food probe (IP65), Fixed cable		-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) [1]	10 s	0609 2272

The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard 60751, the accuracies of Class A and B refer to -200 to +600 °C (Pt100)
2) Long-term measurement range +125°C, short-term +150°C or +140°C (2 minutes)

We measure it. testo

Temperature measuring instrument (3-channel)

testo 735 – Highest accuracy thanks to system adjustment

°C

- Highest precision over the entire measuring range thanks to system adjustment
- System accuracy up to 0.05 °C
- Display, storage and print-out of Delta T, min., max. and mean values
- Audible alarm (adjustable limit values)
- Cyclic printing of measurement values, e.g once per minute
- Protection class IP65
- Certified according to EN 13485

The robust and compact measuring instrument testo 735 is universally applicable and is available in two versions:
testo 735-1: Precise temperature measuring instrument without measurement value store
testo 735-2: Precise temperature measuring instrument with measurement value store (10,000 values) PC software and USB data transfer cable
The instrument has a probe input for highly accurate Pt100 probes and two inputs for fast thermocouple probes. The measurement values from up to three further temperature probes can be shown in the clear measuring instrument display wirelessly, i. e. using measurement data transfer by radio. A system accuracy of 0.05 °C at a resolution of 0.001 °C is achieved using the highly accurate plug-in Pt100 immersion/penetration probe.
The measurement system is thus ideal for use as a working standard. Selectable user profiles, i.e. programming of the buttons adapted to the application, enable intuitive and fast operation.

Technical data

testo 735-1

testo 735-1, 3 channel temperature measuring instrument T/C Type K/T/J/S/Pt100, audible alarm, connection for max. 3 optional radio probes, incl. battery and calibration protocol

Part no. 0560 7351

testo 735-2

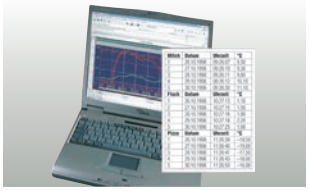
testo 735-2, 3 channel temp. meas. instr. T/C Type K/T/J/S/Pt100, audible alarm, connection for max. 3 optional radio probes, with readings memory, PC software and USB data transmission cable, with battery and calibration protocol

Part no. 0563 7352

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-30 to +70 °C
Battery type	Alkali manganese, mignon, Type AA
Protection class	IP65
Dimensions	220 x 74 x 46 mm
Weight	428 g
Material/Housing	ABS/TPE/Metal
Warranty	1 year

Wireless measurement with radio probes for air/immersion/penetration measurement



Analyze and document measurement values by measurement site with PC software (included in delivery of testo 735-2)

Sensor type	Meas. range	Accuracy ±1 digit	Resolution	Battery life
Pt100 with probe 0614 0235	-40 to +300 °C	See probe data	0.001 °C (-40 to +199.999 °C) 0.01 °C (remaining range)	Approx. 60 h
Pt100	-200 to +800 °C	±0.2 °C (-100 to +199.9 °C) ±0.2% of mv (remaining range)	0.05 °C	Approx. 250 h
Type K (NiCr-Ni)	-200 to +1370 °C	±0.3 °C (-60 to +60 °C) ±(0.2 °C + 0.3% of mv) (remaining range)	0.1 °C	Approx. 300 h
Type T (Cu-CuNi)	-200 to +400 °C	±0.3 °C (-60 to +60 °C) ±(0.2 °C + 0.3% of mv) (remaining range)	0.1 °C	Approx. 300 h
Type J (Fe-CuNi)	-200 to +1000 °C	±0.3 °C (-60 to +60 °C) ±(0.2 °C + 0.3% of mv) (remaining range)	0.1 °C	Approx. 300 h
Type S (Pt10Rh-Pt)	0 to +1760 °C	±1 °C (0 to +1760 °C)	1 °C	Approx. 300 h

Accessories

Accessories for measuring instrument	Part no.	
Plug-in mains adapter, 5 VDC 500 mA with European adapter, 100-250 VAC, 50-60 Hz	0554 0447	

Radio module for upgrading measuring instrument with radio option

Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	0554 0188	
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	0554 0190	

Printer and Accessories

Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink measurement data documentation legible for up to 10 years	0554 0568	
External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz	0554 0610	

Transport and Protection

Service case for basic equipment of measuring instrument and probes, dimensions: 400 x 310 x 96 mm	0516 0035	
Service case for measuring instrument, probes and accessories, dimensions 520 x 380 x 120 mm	0516 0735	

Other features

Handle for attachable measurement tips, applicable for all Testo probes with miniature thermocouple plugs	0409 1092	
Extension cable, 5m, for thermocouple probe Type K	0554 0592	
Silicone heat paste (14g), Tmax = +260°C, improves heat transfer in surface probes	0554 0004	

Calibration Certificates

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 air/immersion probe; cal. points 0°C; +150°C; +300°C	0520 0021	
ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071	
DAkkS calibration certificate/temperature meas. instr. with air/immersion probe; calibration points -20 °C; 0 °C; +60 °C	0520 0211	
DAkkS calibration certificate/temperature contact surface temperature probes; calibration points +100°C; +200°C; +300°C	0520 0271	
4-point adjustment incl. ISO calibration certificate , calibration points freely selectable for probe 0614 0235	0520 0142	
4-point adjustment incl. DAkkS calibration certificate, calibration points freely selectable for probe 0614 0235	0520 0241	

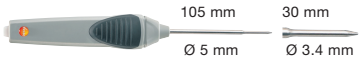
Calibration certificates incl. adjustment for testo 735-2

2-point adjustment incl. ISO calibration certificate, calibration points freely selectable	0520 0178	
4-point adjustment incl. ISO calibration certificate , calibration points freely selectable	0520 0142	
2-point adjustment incl. DAkkS calibration certificate, calibration points freely selectable	0520 0278	
4-point adjustment incl. DAkkS calibration certificate, calibration points freely selectable	0520 0241	

Radio probes

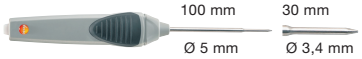
Radio probes for immersion/penetration measurements

	Part no.
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0613 1001
Radio immersion/penetration probe, NTC, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0613 1002

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 105 mm 30 mm Ø 5 mm Ø 3.4 mm	-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

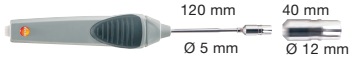
Radio handles with probe head for air-/ immersion-penetration-meas.

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K (0554 0189)	0602 0293
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K (0554 0189)	0602 0293

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 100 mm 30 mm Ø 5 mm Ø 3,4 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t_{99} (in water) 10 s

Radio handles with probe head for surface measurement

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 120 mm 40 mm Ø 5 mm Ø 12 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s

Radio handles for attachable T/C probes

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO ; Radio freq. 869.85 MHz FSK	0554 0189
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191

Illustration	Measuring range	Accuracy	Resolution
	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)

Technical data Radio probes

Radio immersion/penetration probe, NTC

Battery type	2 x 3V button cell (CR 2032)
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)

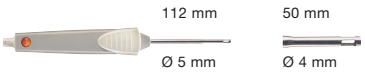
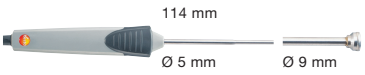
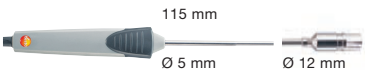
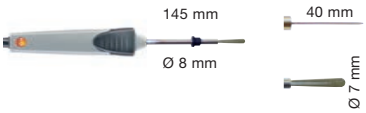
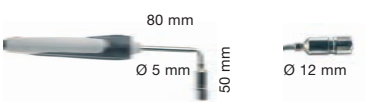
Radio handle

Battery type	2 AAA micro batteries
Battery life	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)

Common Technical Data

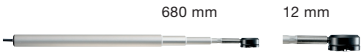
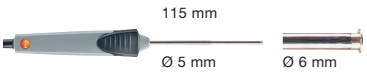
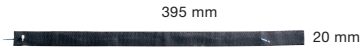
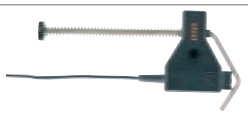
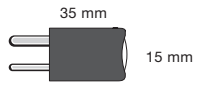
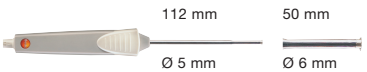
Measuring rate	0.5 s or 10 s, adjustable on handle
Radio coverage	Up to 20 m (without obstructions)
Radio transmission	Unidirectional
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Laboratory probes					
Laboratory probe Pt100, glass-coated, exchangeable glass pipe (Duran 50), resistant to corrosive substances, Fixed cable	200 mm Ø 6 mm 30 mm Ø 5 mm	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) [1]	45 s 12 s Without protective glass	0609 7072
Air probes					
Robust air probe, T/C Type K, Fixed cable	115 mm Ø 4 mm	-60 to +400 °C	Class 2 [2]	25 s	0602 1793
Efficient, robust air probe, Pt100, Fixed cable	114 mm Ø 5 mm	-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) [1]	70 s	0609 1773
Robust, affordable air probe, T/C Type T, Fixed cable 1.2 m	 112 mm Ø 5 mm 50 mm Ø 4 mm	-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [2]	25 s	0603 1793
Surface probes					
Robust, waterproof surface temperature probe, Pt100, Fixed cable	 114 mm Ø 5 mm Ø 9 mm	-50 to +400 °C	Class B [1]	40 s	0609 1973
Fast-action surface probe with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable	 115 mm Ø 5 mm Ø 12 mm	-60 to +300 °C	Class 2 [2]	3 s	0602 0393
Fast-reaction paddle surface probe, for measurements in inaccessible places, e.g. narrow apertures and slots, TC Type K, Fixed cable	 145 mm Ø 8 mm 40 mm Ø 7 mm	0 to +300 °C	Class 2 [2]	5 s	0602 0193
Efficient, waterproof surface probe with small measurement head for flat surfaces, TC Type K, Fixed cable	150 mm Ø 2.5 mm Ø 4 mm	-60 to +1000 °C	Class 1 [2]	20 s	0602 0693
Fast-action surface probe with sprung thermocouple strip, bent, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable	 80 mm Ø 5 mm 50 mm Ø 12 mm	-60 to +300 °C	Class 2 [2]	3 s	0602 0993

1) According to standard 60751, the accuracies of Class A and B refer to -200 to +600 °C (Pt100)
2) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

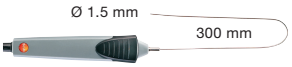
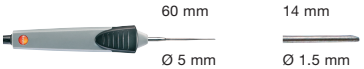
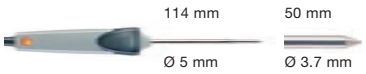
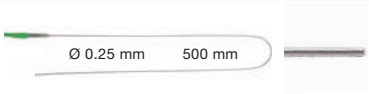
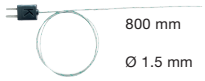
Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Surface probes					
Flat head surface probe with telescopic handle max. 680 mm for measurements at hard-to-access points, TC Type K, Fixed cable 1.6 m (correspondingly shorter when telescope extended)		-50 to +250 °C	Class 2 [2]	3 s	0602 2394
Magnetic probe, adhesive force approx. 20 N, with magnets, for measurements on metal surfaces, TC Type K, Fixed cable		-50 to +170 °C	Class 2 [2]	150 s	0602 4792
Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces, TC Type K, Fixed cable		-50 to +400 °C	Class 2 [2]		0602 4892
Waterproof surface probe with widened measurement tip for flat surfaces, T/C Type K, Fixed cable		-60 to +400 °C	Class 2 [2]	30 s	0602 1993
Pipe wrap probe with velcro strip; for temperature measurement on pipes with diameter up to max. 120 mm; Tmax. +120 °C; TC Type K , Fixed cable		-50 to +120 °C	Class 1 [2]	90 s	0628 0020
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term up to +280°C, TC Type K, Fixed cable		-60 to +130 °C	Class 2 [2]	5 s	0602 4592
Spare meas. head for pipe wrap probe, TC Type K		-60 to +130 °C	Class 2 [2]	5 s	0602 0092
Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C, TC Type K, Fixed cable		-50 to +100 °C	Class 2 [2]	5 s	0602 4692
Waterproof surface probe with widened measurement tip for flat surfaces, T/C Type T, Fixed cable 1.2 m		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [2]	30 s	0603 1993
Immers./penetr. probes					
Robust, waterproof Pt100 immersion/penetration probe, Fixed cable		-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) [1]	12 s	0609 1273
Highly accurate Pt100 immersion/penetration probe incl. calibration protocol (test points 0 °C and +157 °C), Fixed cable		-80 to +300 °C	±0.05 °C (0 to +100 °C) ±(0.05 °C +0.05% of mv) (remaining range)	60 s	0614 0235

1) According to standard 60751, the accuracies of Class A and B refer to -200 to +600 °C (Pt100)
2) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

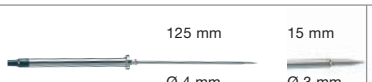
Information on surface measurement:
- The response times t_{99} stated are measured on ground steel or aluminium plates at +60 °C.
- The stated accuracies are sensor accuracies.
- The accuracy in your application is dependent on the surface structure (roughness), material of the measurement object (heat capacity and heat transfer), as wel as sensor accuracy. Testo creates a corresponding calibration certificate for the deviations of your measurement system in your application. For this purpose, Testo uses a surface test bench developed in cooperation with the PTB (Physikalisch Technische Bundesanstalt).

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Immers./penetr. probes					
Efficient and fast-action immersion probe, waterproof, TC Type K, Fixed cable		-60 to +1000 °C	Class 1 [2]	2 s	0602 0593
Fast-action, waterproof immersion/penetration probe, TC Type K, Fixed cable		-60 to +800 °C	Class 1 [2]	3 s	0602 2693
Immersion tip, flexible, TC Type K		-200 to +1000 °C	Class 1 [2]	5 s	0602 5792
Immersion tip, flexible, TC Type K		-200 to +40 °C	Class 3 [2]	5 s	0602 5793
Immersion measurement tip, flexible, for measurements in air/exhaust gases (not suitable for measurements in smelters), TC Type K		-200 to +1300 °C	Class 1 [2]	4 s	0602 5693
Waterproof immersion/penetration probe, TC Type K, Fixed cable		-60 to +400 °C	Class 2 [2]	7 s	0602 1293
Flexible, low-mass immersion measurement tip, ideal for measurements in small volumes such as petri dishes, or for surface measurements (e.g. attached with adhesive tape), TC Type K, 2 m, FEP insulated thermal wire, temperature proof up to 200 °C, oval wire with dimensions: 2.2 mm x 1.4 mm		-200 to +1000 °C	Class 1 [2]	1 s	0602 0493
Thermocouples					
Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K		-50 to +400 °C	Class 2 [2]	5 s	0602 0644
Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K		-50 to +400 °C	Class 2 [2]	5 s	0602 0645
Thermocouple with TC adapter, flexible, 1500mm long, PTFE, TC Type K		-50 to +250 °C	Class 2 [2]	5 s	0602 0646

2) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Food probes					
Robust, Pt100 stainless steel food probe (IP65), Fixed cable		-50 to +400 °C	Class A (-50 to +300 °C), Class B (remaining range) [1]	10 s	0609 2272
Waterproof food probe made of stainless steel (IP65), TC Type K, Fixed cable		-60 to +400 °C	Class 2 [2]	7 s	0602 2292
Robust food probe with special handle, IP 65, reinforced cable (PUR), T/C Type K, Fixed cable		-60 to +400 °C	Class 1 [2]	6 s	0602 2492
Waterproof super-fast needle probe, highly accurate measurements without visible penetration hole. Specially for food, ideal for hamburgers, steaks, pizza, eggs etc., T/C Type K, Fixed cable		-60 to +250 °C	Class 1 [2]	1s	0628 0026
Waterproof robust immersion/penetration probe with metal protection hose Tmax +230°C, e.g. for monitoring temp. in cooking oil, T/C Type K, Fixed cable		-50 to +230 °C	Class 1 [2]	15 s	0628 1292
Stable, robust surface probe with PTFE standing area and metal protection hose Tmax +230 °C for cooking surfaces, heating and baking trays, T/C Type K, Fixed cable		-50 to +230 °C	Class 2 [2]	45 s	0628 9992
Robust food penetration probe with special handle, reinforced cable (PVC), T/C Type T, Fixed cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [2]	6 s	0603 2492

1) According to standard 60751, the accuracies of Class A and B refer to -200 to +600 °C (Pt100)
2) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

We measure it. testo

Infrared temperature measuring instrument

testo 805 – The infrared thermometer in mini format

°C

Illustration 1:1

- Non-contact measurement of surface temperature, ideally suitable for the food sector
- 1:1 optics for fast, easy measurements at close range
- Small and handy: fits in any jacket or trouser pocket
- Hold-function and display of min./max. values
- Scan mode for long-term measurement
- Waterproof and robust thanks to dishwasher-safe protective cover TopSafe, according to protecton class IP65

The infrared thermometer, measuring only 80 mm, fits in any jacket pocket, and is always ready to hand for fast measurements. The testo 805 is used, for example, for measurements in Incoming Goods and in temperature checks in supermarket shelves. It is also optimally suited to fast measurements in the food sector and in facility technology.

The testo 805, with the TopSafe (optional), is waterproof and protected from impact and dirt according to IP 65. It has a scan mode for long-term measurement, and a Hold-function for freezing the measurement values. In addition to this, minimum and maximum values are reliably displayed.

Technical data / Accessories

testo 805

testo 805, Mini infrared thermometer, practical and compact, high accuracy, with battery

Part no. 0560 8051

Sensor type	Integrated infrared sensor
Meas. range	-25 to +250 °C
Accuracy ±1 digit	±3 °C (-25 to -21 °C) ±2 °C (-20 to -2.1 °C) ±1 °C (-2 to +40 °C) ±1.5 °C (+40.1 to +150 °C) ±2% of mv (+150.1 to +250 °C)
Resolution	0.1 °C (-9.9 to +199.9 °C) 1 °C (remaining range)

General technical data

Distance to measurement spot	1:1
Oper. temp.	0 to +50 °C
Storage temp.	-20 to +65 °C
Material/Housing	ABS
Battery type	1 x lithium type: CR 2032
Battery life	40 h (typical)
Reaction time	〈 1.0 s
Emissivity	0.95 (adjustable to 0.95 or 1.00)
Dimensions	80 x 31 x 19 mm
Weight	28 g

Set	Part no.	
Set for fast inspections		
testo 805 Mini infrared thermometer, TopSafe and battery	0563 8051	

Accessories	Part no.	
Accessories for measuring instrument		
TopSafe, robust, waterproof protection case (IP65)	0516 8051	
ISO calibration certificate temperature, Infrared thermometers, calibration points 0°C, +60°C	0520 0452	

We measure it. testo

Infrared temperature measuring instrument (2-channel)

testo 810

°C

Illustration 1:1

- Handy pocket-sized combi instrument for non-contact measurement of the surface temperature and air temperature measurement
- 1-point laser measurement point marking and 6:1 optics
- Hold-function, display of max./min. values and the difference between air and surface temperature
- Settable emissivity
- Display illumination
- Incl. protective cap for safe storage, wrist strap and beltholder

The testo 810 is a handy temperature measuring instrument which measures air temperature, and simultaneously surface temperature by infrared. For example, the temperature of a radiator, an air outlet or a window can be easily and conveniently compared to the air temperature in the room. The difference between air and surface temperature is automatically displayed.

Thanks to its handy design, the testo 810 is quickly to hand and easy to stow, for example in a trouser pocket. The infrared measurement is carried out with a 1-point laser measurement spot marking and 6:1 optics. The emissivity can be individually set depending on the application, and with the help of the min./max. function, the minimum and maximum values are shown in the display.

Technical data / Accessories

testo 810

testo 810, 2-channel temperature measuring instrument with infrared thermometer with laser spot marking and integrated NTC air thermometer incl. protective cap, Batteriens and calibration protocol

Part no. 0560 0810

General technical data

Distance to measurement spot	6:1
Meas. spot marking	1-point laser
Emissivity	Adjustable 0.2 to 0.99
Spectral range	8 to 14 µm
Oper. temp.	-10 to +50 °C
Battery type	2 batteries Type AAA
Battery life	50 h (average, without display illumination)
Dimensions	119 x 46 x 25 mm (incl. protective cap)
Weight	90 g (incl. battery and protective cap)

Sensor types

	Infrared	**NTC**
Meas. range	-30 to +300 °C	-10 to +50 °C
Accuracy ±1 digit	±2.0 °C (-30 to +100 °C) ±2% of mv (remaining range)	±0.5 °C
Measurement rate	0.5 s	0.5 s
Resolution	0.1 °C	0.1 °C

Accessories

	Part no.	
Accessories for measuring instrument		
Adhesive tape, e.g. for bare surfaces (roll, L.: 10 m, W.: 25 mm), E = 0.95, temperature resistant to +250 °C	0554 0051	
ISO calibration certificate/temperature, infrared thermometers, calibration points -18°C, 0°C, +60°C	0520 0401	
ISO calibration certificate/temperature, infrared thermometer; calibration points +60°C; +120°C; +180°C	0520 0002	
ISO calibration certificate/temperature; for air/immersion probes, calibration points -8°C; 0°C; +40°C	0520 0181	

We measure it. testo

Temperature measuring instrument (2-channel)

testo 922 – For fast (differential) temperature measurement

°C

- Ideally suited for applications in the HVAC field
- 2-channel temperature measuring instrument with optional wireless probes
- Display of differential temperature
- TopSafe, the indestructible protective cover, protects from dirt and impact
- Continuous display of min./max. values
- Hold-button for freezing measurement values
- Cyclic printing of measurement values, e.g. once per minute

testo 922 is a temperature measuring instrument which is especially suited to applications in the HVAC field. The measuring instrument records the temperature values of two connected thermocouple probes, and shows these simultaneously together with the differential temperature in the display. Measurement data transfer by radio additionally allows the measurement value from a further temperature probe to be displayed wirelessly.
With the TopSafe, and the probe plugged in, the measuring instrument has protection class IP65.

The instrument continuously displays the minimum and maximum values. The measurement values shown in the display (current measurement value, fixed measurement value or the minimum/maximum value) can be printed out on site using the Testo report printer (optional). In addiition to this, the measurement values can be cyclically printed – the intervals can be individually set.

Technical data

testo 922

testo 922, 2 channel temperature measuring instrument T/C Type K, connection of an optional radio probe, with battery and calibration protocol

Part no. 0560 9221

Sensor type	Type K (NiCr-Ni)
Meas. range	-50 to +1000 °C
Accuracy ±1 digit	±(0.5 °C +0.3% of mv) (-40 to +900 °C) ±(0.7 °C +0.5% of mv) (remaining range)
Resolution	0.1 °C (-50 to +199.9 °C) 1 °C (remaining range)

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C
Material/Housing	ABS
Battery type	9V block battery, 6F22
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)
Dimensions	182 x 64 x 40 mm
Weight	171 g
Warranty	1 year

testo 922 is a temperature measuring instrument which is especially suited to applications in the HVAC field. The measuring instrument records the temperature values of two connected thermocouple probes, and shows these simultaneously together with the differential temperature in the display. Measurement data transfer by radio additionally allows the measurement value from a further temperature probe to be displayed wirelessly.
With the TopSafe, and the probe plugged in, the measuring instrument has protection class IP65.

The instrument continuously displays the minimum and maximum values. The measurement values shown in the display (current measurement value, fixed measurement value or the minimum/maximum value) can be printed out on site using the Testo report printer (optional). In addiition to this, the measurement values can be cyclically printed – the intervals can be individually set.

Optional protective case TopSafe

Wireless measurement with radio probes

Simultaneous recording of temperature by two connected probes and display of differential temperature

2 probe conneections

Accessories

Accessories for measuring instrument	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	

Radio module for upgrading measuring instrument with radio option		
Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	0554 0188	
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	0554 0190	

Printer and Accessories		
Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries; for printing out measurements on site	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink measurement data documentation legible for up to 10 years	0554 0568	

Transport and Protection		
TopSafe, protects from impact and dirt (incl. 2 attachment magnets)	0516 0222	
Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm)	0516 0200	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201	
Case for measuring instrument and probes	0516 0210	

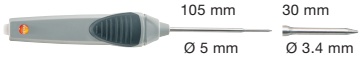
Other features		
Handle for attachable measurement tips, applicable for all Testo probes with miniature thermocouple plugs	0409 1092	
Extension cable, 5m, for thermocouple probe Type K	0554 0592	
Silicone heat paste (14g), Tmax = +260°C, improves heat transfer in surface probes	0554 0004	

Calibration Certificates		
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature (Applies only to immersion/penetration probe 0602 2693) Meas. instr. with air/immersion probe; cal. points 0°C; +150°C; +300°C	0520 0021	
ISO calibration certificate/temperature meas. instr. with air/immersion probe; calibration points 0°C; +300°C; +600°C	0520 0031	
ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071	
DAkkS calibration certificate/temperature meas. instr. with air/immersion probe; calibration points -20 °C; 0 °C; +60 °C	0520 0211	
DAkkS calibration certificate/temperature contact surface temperature probes; calibration points +100°C; +200°C; +300°C	0520 0271	

Radio probes

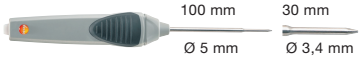
Radio probes for immersion/penetration measurements

	Part no.
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0613 1001
Radio immersion/penetration probe, NTC, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0613 1002

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 105 mm 30 mm Ø 5 mm Ø 3.4 mm	-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

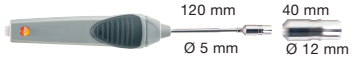
Radio handles with probe head for air-/ immersion-penetration-meas.

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K	0602 0293
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K	0602 0293

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 100 mm 30 mm Ø 5 mm Ø 3,4 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t_{99} (in water) 10 s

Radio handles with probe head for surface measurement

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 120 mm 40 mm Ø 5 mm Ø 12 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s

Radio handles for attachable T/C probes

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO ; Radio freq. 869.85 MHz FSK	0554 0189
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191

Illustration	Measuring range	Accuracy	Resolution
	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)

Technical data Radio probes

Radio immersion/penetration probe, NTC

Battery type	2 x 3V button cell (CR 2032)
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)

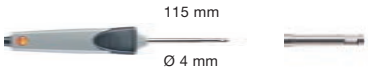
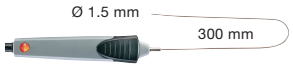
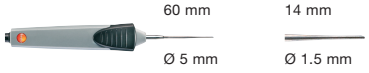
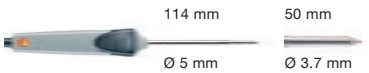
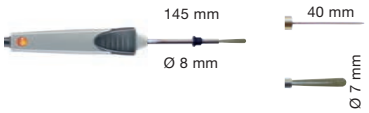
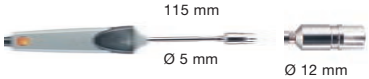
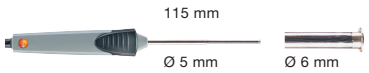
Radio handle

Battery type	2 AAA micro batteries
Battery life	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)

Common Technical Data

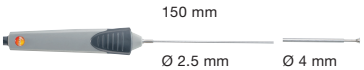
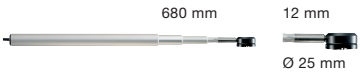
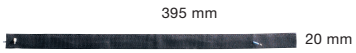
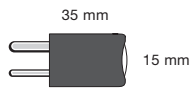
Measuring rate	0.5 s or 10 s, adjustable on handle
Radio coverage	Up to 20 m (without obstructions)
Radio transmission	Unidirectional
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Air probes					
Robust air probe, T/C Type K, Fixed cable 1.2 m		-60 to +400 °C	Class 2 [1]	25 s	0602 1793
Immers./penetr. probes					
Efficient and fast-action immersion probe, waterproof, TC Type K, Fixed cable 1.2 m		-60 to +1000 °C	Class 1 [1]	2 s	0602 0593
Fast-action, waterproof immersion/penetration probe, TC Type K, Fixed cable 1.2 m		-60 to +800 °C	Class 1 [1]	3 s	0602 2693
Immersion tip, flexible, TC Type K		-200 to +1000 °C	Class 1 [1]	5 s	0602 5792
Immersion measurement tip, flexible, for measurements in air/exhaust gases (not suitable for measurements in smelters), TC Type K		-200 to +1300 °C	Class 1 [1]	4 s	0602 5693
Immersion tip, flexible, TC Type K		-200 to +40 °C	Class 3 [1]	5 s	0602 5793
Waterproof immersion/penetration probe, TC Type K, Fixed cable 1.2 m		-60 to +400 °C	Class 2 [1]	7 s	0602 1293
Surface probes					
Fast-reaction paddle surface probe, for measurements in inaccessible places, e.g. narrow apertures and slots, TC Type K, Fixed cable		0 to +300 °C	Class 2 [1]	5 s	0602 0193
Fast-action surface probe with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable 1.2 m		-60 to +300 °C	Class 2 [1]	3 s	0602 0393
Waterproof surface probe with widened measurement tip for flat surfaces, T/C Type K, Fixed cable 1.2 m		-60 to +400 °C	Class 2 [1]	30 s	0602 1993

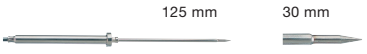
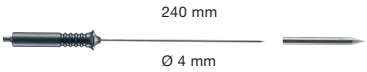
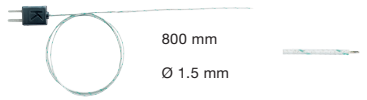
The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Surface probes					
Fast-action surface probe with sprung thermocouple strip, bent, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable 1.2 m		-60 to +300 °C	Class 2 [1]	3 s	0602 0993
Efficient, waterproof surface probe with small measurement head for flat surfaces, TC Type K, Fixed cable 1.2 m		-60 to +1000 °C	Class 1 [1]	20 s	0602 0693
Flat head surface probe with telescopic handle max. 680 mm for measurements at hard-to-access points, TC Type K, Fixed cable 1.6 m (correspondingly shorter when telescope extended)		-50 to +250 °C	Class 2 [1]	3 s	0602 2394
Magnetic probe, adhesive force approx. 20 N, with magnets, for measurements on metal surfaces, TC Type K, Fixed cable 1.6 m		-50 to +170 °C	Class 2 [1]	150 s	0602 4792
Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces, TC Type K, Fixed cable		-50 to +400 °C	Class 2 [1]		0602 4892
Pipe wrap probe with velcro strip; for temperature measurement on pipes with diameter up to max. 120 mm; Tmax. +120 °C; TC Type K , Fixed cable		-50 to +120 °C	Class 1 [1]	90 s	0628 0020
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K, Fixed cable		-60 to +130 °C	Class 2 [1]	5 s	0602 4592
Spare meas. head for pipe wrap probe, TC Type K		-60 to +130 °C	Class 2 [1]	5 s	0602 0092
Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C, TC Type K, Fixed cable		-50 to +100 °C	Class 2 [1]	5 s	0602 4692

The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Food probes					
Waterproof food probe made of stainless steel (IP65), TC Type K, Fixed cable		-60 to +400 °C	Class 2 [1]	7 s	0602 2292
Robust food probe with special handle, IP 65, reinforced cable (PUR), T/C Type K, Fixed cable		-60 to +400 °C	Class 1 [1]	6 s	0602 2492
Waterproof robust immersion/penetration probe with metal protection hose Tmax +230°C, e.g. for monitoring temp. in cooking oil, T/C Type K, Fixed cable		-50 to +230 °C	Class 1 [1]	15 s	0628 1292
Thermocouples					
Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K		-50 to +400 °C	Class 2 [1]	5 s	0602 0644
Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K		-50 to +400 °C	Class 2 [1]	5 s	0602 0645
Thermocouple with TC adapter, flexible, 1500mm long, PTFE, TC Type K		-50 to +250 °C	Class 2 [1]	5 s	0602 0646

The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Information on surface measurement:

- The response times t_{99} stated are measured on ground steel or aluminium plates at +60 °C.
- The stated accuracies are sensor accuracies.
- The accuracy in your application is dependent on the surface structure (roughness), material of the measurement object (heat capacity and heat transfer), as wel as sensor accuracy. Testo creates a corresponding calibration certificate for the deviations of your measurement system in your application. For this purpose, Testo uses a surface test bench developed in cooperation with the PTB (Physikalisch Technische Bundesanstalt).

We measure it. testo

Temperature measuring instrument (1-channel)

testo 925 – For fast and reliable measurements in the HVAC field

°C

- Ideally suited to applications in the HVAC field
- 1-channel temperature measuring instrument with optional wireless probes
- TopSafe, the indestructible protective case, protects from dirt and impact
- Continuous display of min/max values
- Audible alarm (adjustable limit values)
- Hold-button for freezing measurement values
- Large, backlit display

The testo 925 is a 1-channel temperature measuring instrument which is particularly suitable for applications in the HVAC field. The instrument is optimum for the connection of fast and reliable thermocouple probes. Using measurement data transfer by radio, the measurement value of a further temperature probe can be additionally displayed wirelessly. The protective cover TopSafe ensures water- and dirt-proofness when a probe is connected. The instrument reliably and continuously displays the minimum and maximum measurement values. The measurement values shown in the display (current measurement value, frozen measurement value, or the minimum/maximum values) can be printed out via the Testo report printer (optional). The user can store limit values in the instrument himself; as soon as these upper and lower values are violated, an audible signal sounds.

Technical data

testo 925

testo 925, 1 channel temperature measuring instrument T/C Type K, audible alarm, connection of an optional radio probe, with battery and calibration protocol

Part no. 0560 9250

Sensor type	Type K (NiCr-Ni)
Meas. range	-50 to +1000 °C
Accuracy ±1 digit	±(0.5 °C +0.3% of mv) (-40 to +900 °C) ±(0.7 °C +0.5% of mv) (remaining range)
Resolution	0.1 °C (-50 to +199.9 °C) 1 °C (remaining range)

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C
Material/Housing	ABS
Battery type	9V block battery, 6F22
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)
Dimensions	182 x 64 x 40 mm
Weight	171 g
Warranty	1 year

The testo 925 is a 1-channel temperature measuring instrument which is particularly suitable for applications in the HVAC field. The instrument is optimum for the connection of fast and reliable thermocouple probes. Using measurement data transfer by radio, the measurement value of a further temperature probe can be additionally displayed wirelessly. The protective cover TopSafe ensures water- and dirt-proofness when a probe is connected. The instrument reliably and continuously displays the minimum and maximum measurement values. The measurement values shown in the display (current measurement value, frozen measurement value, or the minimum/maximum values) can be printed out via the Testo report printer (optional). The user can store limit values in the instrument himself; as soon as these upper and lower values are violated, an audible signal sounds.

Optional protective case TopSafe

Wireless measurement with radio probes

1 probe connection

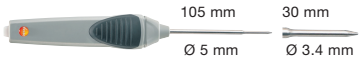
Accessories

Accessories for measuring instrument	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	
Radio module for upgrading measuring instrument with radio option		
Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	0554 0188	
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	0554 0190	
Printer and Accessories		
Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries; for printing out measurements on site	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink measurement data documentation legible for up to 10 years	0554 0568	
Transport and Protection		
TopSafe, protects from impact and dirt	0516 0221	
Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm)	0516 0200	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201	
Case for measuring instrument and probes	0516 0210	
Other features		
Handle for attachable measurement tips, applicable for all Testo probes with miniature thermocouple plugs	0409 1092	
Extension cable, 5m, for thermocouple probe Type K	0554 0592	
Silicone heat paste (14g), Tmax = +260°C, improves heat transfer in surface probes	0554 0004	
Calibration Certificates		
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature (Applies only to immersion/penetration probe 0602 2693) Meas. instr. with air/immersion probe; cal. points 0°C; +150°C; +300°C	0520 0021	
ISO calibration certificate/temperature meas. instr. with air/immersion probe; calibration points 0°C; +300°C; +600°C	0520 0031	
ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071	
DAkkS calibration certificate/temperature meas. instr. with air/immersion probe; calibration points -20 °C; 0 °C; +60 °C	0520 0211	
DAkkS calibration certificate/temperature contact surface temperature probes; calibration points +100°C; +200°C; +300°C	0520 0271	

Radio probes

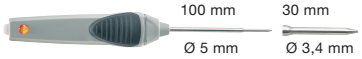
Radio probes for immersion/penetration measurements

	Part no.
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0613 1001
Radio immersion/penetration probe, NTC, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0613 1002

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 105 mm 30 mm Ø 5 mm Ø 3.4 mm	-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

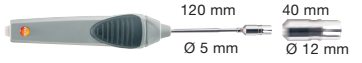
Radio handles with probe head for air-/ immersion-penetration-meas.

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K	0602 0293
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K	0602 0293

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 100 mm 30 mm Ø 5 mm Ø 3,4 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t_{99} (in water) 10 s

Radio handles with probe head for surface measurement

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
 120 mm 40 mm Ø 5 mm Ø 12 mm	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s

Radio handles for attachable T/C probes

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO ; Radio freq. 869.85 MHz FSK	0554 0189
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191

Illustration	Measuring range	Accuracy	Resolution
	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)

Technical data Radio probes

Radio immersion/penetration probe, NTC

Battery type	2 x 3V button cell (CR 2032)
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)

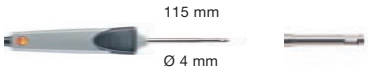
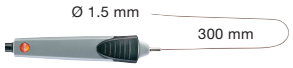
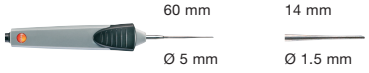
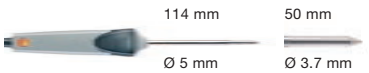
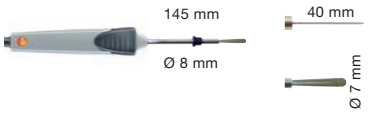
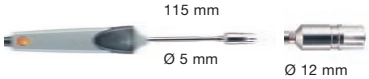
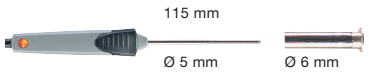
Radio handle

Battery type	2 AAA micro batteries
Battery life	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)

Common Technical Data

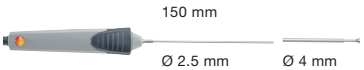
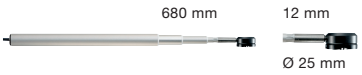
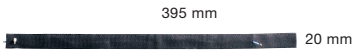
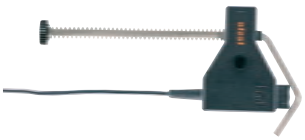
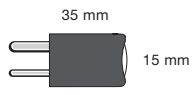
Measuring rate	0.5 s or 10 s, adjustable on handle
Radio coverage	Up to 20 m (without obstructions)
Radio transmission	Unidirectional
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Air probes					
Robust air probe, T/C Type K, Fixed cable 1.2 m		-60 to +400 °C	Class 2 [1]	25 s	0602 1793
Immers./penetr. probes					
Efficient and fast-action immersion probe, waterproof, TC Type K, Fixed cable 1.2 m		-60 to +1000 °C	Class 1 [1]	2 s	0602 0593
Fast-action, waterproof immersion/penetration probe, TC Type K, Fixed cable 1.2 m		-60 to +800 °C	Class 1 [1]	3 s	0602 2693
Immersion tip, flexible, TC Type K		-200 to +1000 °C	Class 1 [1]	5 s	0602 5792
Immersion measurement tip, flexible, for measurements in air/exhaust gases (not suitable for measurements in smelters), TC Type K		-200 to +1300 °C	Class 1 [1]	4 s	0602 5693
Immersion tip, flexible, TC Type K		-200 to +40 °C	Class 3 [1]	5 s	0602 5793
Waterproof immersion/penetration probe, TC Type K, Fixed cable 1.2 m		-60 to +400 °C	Class 2 [1]	7 s	0602 1293
Surface probes					
Fast-reaction paddle surface probe, for measurements in inaccessible places, e.g. narrow apertures and slots, TC Type K, Fixed cable		0 to +300 °C	Class 2 [1]	5 s	0602 0193
Fast-action surface probe with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable 1.2 m		-60 to +300 °C	Class 2 [1]	3 s	0602 0393
Waterproof surface probe with widened measurement tip for flat surfaces, T/C Type K, Fixed cable 1.2 m		-60 to +400 °C	Class 2 [1]	30 s	0602 1993

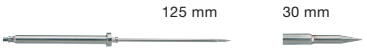
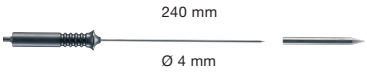
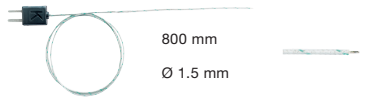
The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Surface probes					
Fast-action surface probe with sprung thermocouple strip, bent, also for uneven surfaces, measurement range short-term to +500°C, TC Type K, Fixed cable 1.2 m		-60 to +300 °C	Class 2 [1]	3 s	0602 0993
Efficient, waterproof surface probe with small measurement head for flat surfaces, TC Type K, Fixed cable 1.2 m		-60 to +1000 °C	Class 1 [1]	20 s	0602 0693
Flat head surface probe with telescopic handle max. 680 mm for measurements at hard-to-access points, TC Type K, Fixed cable 1.6 m (correspondingly shorter when telescope extended)		-50 to +250 °C	Class 2 [1]	3 s	0602 2394
Magnetic probe, adhesive force approx. 20 N, with magnets, for measurements on metal surfaces, TC Type K, Fixed cable 1.6 m		-50 to +170 °C	Class 2 [1]	150 s	0602 4792
Magnetic probe, adhesive force approx. 10 N, with magnets, for higher temp., for measurements on metal surfaces, TC Type K, Fixed cable		-50 to +400 °C	Class 2 [1]		0602 4892
Pipe wrap probe with velcro strip; for temperature measurement on pipes with diameter up to max. 120 mm; Tmax. +120 °C; TC Type K , Fixed cable		-50 to +120 °C	Class 1 [1]	90 s	0628 0020
Pipe wrap probe for pipe diameter 5 to 65 mm, with exchangeable measuring head. Meas. range short-term to +280°C, TC Type K, Fixed cable		-60 to +130 °C	Class 2 [1]	5 s	0602 4592
Spare meas. head for pipe wrap probe, TC Type K		-60 to +130 °C	Class 2 [1]	5 s	0602 0092
Clamp probe for measurements on pipes, pipe diameter 15 to 25 mm (max. 1"), meas. range short-term up to +130°C, TC Type K, Fixed cable		-50 to +100 °C	Class 2 [1]	5 s	0602 4692

The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Food probes					
Waterproof food probe made of stainless steel (IP65), TC Type K, Fixed cable		-60 to +400 °C	Class 2 [1]	7 s	0602 2292
Robust food probe with special handle, IP 65, reinforced cable (PUR), T/C Type K, Fixed cable		-60 to +400 °C	Class 1 [1]	6 s	0602 2492
Waterproof robust immersion/penetration probe with metal protection hose Tmax +230°C, e.g. for monitoring temp. in cooking oil, T/C Type K, Fixed cable		-50 to +230 °C	Class 1 [1]	15 s	0628 1292
Thermocouples					
Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K		-50 to +400 °C	Class 2 [1]	5 s	0602 0644
Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K		-50 to +400 °C	Class 2 [1]	5 s	0602 0645
Thermocouple with TC adapter, flexible, 1500mm long, PTFE, TC Type K		-50 to +250 °C	Class 2 [1]	5 s	0602 0646

The measuring instrument inside TopSafe is waterproof with this probe.
1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K).
A probe always corresponds to only **one** accuracy class.

Information on surface measurement:

- The response times t_{99} stated are measured on ground steel or aluminium plates at +60 °C.
- The stated accuracies are sensor accuracies.
- The accuracy in your application is dependent on the surface structure (roughness), material of the measurement object (heat capacity and heat transfer), as wel as sensor accuracy. Testo creates a corresponding calibration certificate for the deviations of your measurement system in your application. For this purpose, Testo uses a surface test bench developed in cooperation with the PTB (Physikalisch Technische Bundesanstalt).

We measure it. testo

Temperature measuring instrument (1-channel)

testo 926 – The allrounder in temperature measurement

°C

- Ideally suited to applications in the food sector
- Wireless measurement with radio probes possible
- Audible alarm (adjustable limit values)
- TopSafe, the indestructible protective cover, protects from dirt and impact
- Min./max. value store
- Automatic recognition of final value (Auto-hold)
- Certified according to EN 13485

The testo 926 is an exact temperature measuring instrument which is particularly suited to applications in the food sector. In addition to the broad selection of classical probes with a cable, a wireless radio probe can also be connected if required. The dishwasher-safe TopSafe protects the instrument from dirt, water and impact.
As the user, you can store limit values in the instrument yourself; as soon as these upper and lower values are violated, an audible warning signal sounds. This alarm function and the automatic final value recognition simplifiy measurement, and support you in recognizing and interpreting the measurement values correctly. In addition to this, the instrument reliably stores the minimum and maximum measurement values.
testo 926 conforms to HACCP as well as EN 13485. This makes it the ideal partner for large kitchens, hotels, restaurants or in the food industry.

Technical data

testo 926

testo 926-1, 1 channel food temperature measuring instrument T/C Type T, audible alarm, connection to an optional radio probe, with battery and calibration protocol

Part no. 0560 9261

testo 926, Starter set

testo 926, Starter set, 1 channel food temperature measuring instrument T/C Type T, incl. TopSafe, standard immersion/penetration probes, battery and calibration protocol

Part no. 0563 9262

Sensor type	**Type T (Cu-CuNi) or NTC and Type K if radio immersion/penetration probes are used**
Meas. range	-50 to +400 °C
Accuracy ±1 digit	±0.3 °C (-20 to +70 °C) ±(0.7 °C ±0.5% of mv) (remaining range)
Resolution	0.1 °C (-50 to +199.9 °C) 1 °C (remaining range)

General technical data

Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C
Battery type	9V block battery, 6F22
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)
Dimensions	182 x 64 x 40 mm
Material/Housing	ABS
Weight	171 g
Warranty	1 year

TopSafe, protection of the measuring instrument against impact, dirt and water, dishwasher-proof (optional)

Wireless measurement with radio probes possible (optional)

Measurement data printout on site on the Testo fast printer

Connection for external probes and charger

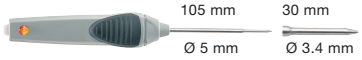
Accessories

Accessories for measuring instrument	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	
Radio module for upgrading measuring instrument with radio option		
Radio module for measuring instrument, 869.85 MHz, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO	0554 0188	
Radio module for measuring instrument, 915.00 MHz FSK, approval for USA, CA, CL	0554 0190	
Printer and Accessories		
Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries	0554 0549	
Spare thermal paper for printer (6 rolls), permanent ink measurement data documentation legible for up to 10 years	0554 0568	
External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz	0554 0610	
Transport and Protection		
TopSafe, protects from impact and dirt	0516 0220	
Transport case for measuring instrument, 3 probes and accessories (430 x 310 x 85 mm)	0516 0200	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201	
Case for measuring instrument and probes	0516 0210	
Calibration Certificates		
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
ISO calibration certificate/temperature for air/immersion probes, calibration point -18°C	0520 0061	
ISO calibration certificate/temperature for air/immersion probes, calibration point 0°C	0520 0062	
ISO calibration certificate/temperature for air/immersion probes, calibration point +60°C	0520 0063	
ISO calibration certificate/temperature for air/immersion probes, calibration points -8°C; 0°C; +40°C	0520 0181	
ISO calibration certificate/temperature meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071	
ISO calibration certificate/temperature single point calibration for surface thermometer; calibration point +60°C	0520 0072	
ISO calibration certificate/temperature single point calibration for surface thermometer; calibration point +120°C	0520 0073	

Radio probes

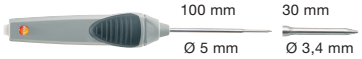
Radio probes for immersion/penetration measurements

	Part no.
Radio immersion/penetration probe, NTC, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0613 1001
Radio immersion/penetration probe, NTC, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0613 1002

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
	-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

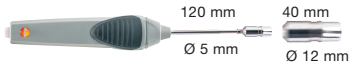
Radio handles with probe head for air-/ immersion-penetration-meas.

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K (0554 0189)	0602 0293
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for air/immersion/penetration measurement, attachable to radio handle, T/C Type K (0554 0189)	0602 0293

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	t_{99} (in water) 10 s

Radio handles with probe head for surface measurement

	Part no.
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO; Radio freq. 869.85 MHz FSK	0554 0189
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191
T/C probe head for surface measurement, attachable to radio handle, T/C Type K	0602 0394

Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	Resolution	t_{99}
	-50 to +350 °C Short-term to +500 °C	Radio handle: ±(0.5 °C +0.3% of mv) (-40 to +500 °C) ±(0.7 °C +0.5% of mv) (remaining range) T/C probe head: Class 2	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)	5 s

Radio probes

Radio handles for attachable T/C probes	Part no.	
Radio handle for plug-in probe heads, incl. T/C adapter, approval for the countries: DE, FR, UK, BE, NL, ES, IT, SE, AT, DK, FI, HU, CZ, PL, GR, CH, PT, SI, MT, CY, SK, LU, EE, LT, IE, LV, NO ; Radio freq. 869.85 MHz FSK	0554 0189	
Radio handle for plug-in probe heads, incl. T/C adapter, approval for USA, CA, CL; Radio freq. 915.00 MHz FSK	0554 0191	

Illustration	Measuring range	Accuracy	Resolution
	-50 to +1000 °C	±(0.7 °C +0.3% of mv) (-40 to +900 °C) ±(0.9 °C +0.5% of mv) (remaining range)	0.1 °C (-50 to +199.9 °C) 1.0 °C (remaining range)

Technical data Radio probes

Radio immersion/penetration probe, NTC

Battery type	2 x 3V button cell (CR 2032)
Battery life	150 h (meas. rate 0.5 s) 2 months (meas. rate 10 s)

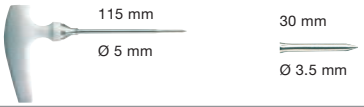
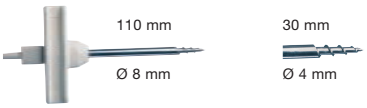
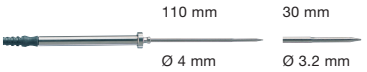
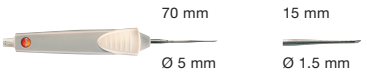
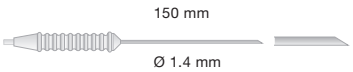
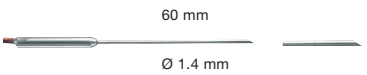
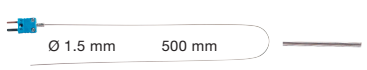
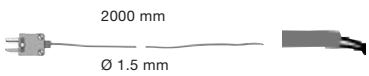
Radio handle

Battery type	2 AAA micro batteries
Battery life	215 h (meas. rate 0.5 s) 6 months (meas. rate 10 s)

Common Technical Data

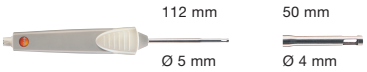
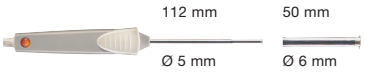
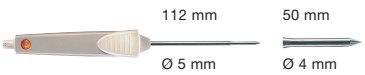
Measuring rate	0.5 s or 10 s, adjustable on handle
Radio coverage	Up to 20 m (without obstructions)
Radio transmission	Unidirectional
Oper. temp.	-20 to +50 °C
Storage temp.	-40 to +70 °C

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Food probes					
Robust food penetration probe with special handle, reinforced cable (PVC), T/C Type T, Fixed cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	6 s	0603 2492
Frozen food probe, corkscrew design, T/C Type T, Plug-in cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	8 s	0603 3292
Stainless steel food probe (IP67) with PUR cable, T/C Type T, Fixed cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	7 s	0603 2192
Waterproof precision immersion/penetration probe without visible penetration hole, T/C Type T, Fixed cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]		0603 2693
Stainless steel food probe (IP67), with PTFE cable to +250 °C, TC Type T, Fixed cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	7 s	0603 3392
Waterproof, super-quick needle probe for measurements without visible penetration hole, T/C Type T, Fixed cable		-50 to +250 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	2 s	0628 0027
Quick needle probe to monitor cooking in oven, T/C Type T, Fixed cable		-50 to +250 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	2 s	0628 0030
Measurement tip with T/C adapter Type T, ideal for fast-action measurement on incoming goods		-50 to +350 °C	Class 1 [1]	5 s	0628 0023
Flexible oven probe, Tmax +250 °C, PTFE cable		-50 to +250 °C	Class 1 [1]		0603 0646

1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +350 °C (Type T).

Probes

Probe type	Dimensions Probe shaft/probe shaft tip	Measuring range	Accuracy	t_{99}	Part no.
Air probes					
Robust, affordable air probe, T/C Type T, Fixed cable 1.2 m		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	25 s	0603 1793
Surface probes					
Waterproof surface probe with widened measurement tip for flat surfaces, T/C Type T, Fixed cable 1.2 m		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	30 s	0603 1993
Immers./penetr. probes					
Waterproof standard immersion/penetration probe, T/C Type T, Fixed cable		-50 to +350 °C	±0.2 °C (-20 to +70 °C) Class 1 (remaining range) [1]	7 s	0603 1293

1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +350 °C (Type T).