

Temperature measuring instrument (1-channel)

testo 925 – Temperature measuring instrument for TC Type K with App connection

Easy, fast and precise temperature measurement with thermocouple Type K probe (1 TC Type K probe included)

Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App

Wide range of applications due to large measuring range from -50 °C to 1000 °C

Large probe selection optional and compatible with commercially available TC Type K sensors

Audible alarm sounds if a limit value is exceeded



Hardly any measurement value is measured more often every day than temperature. The **quality of products, processes or raw materials** depends on it, as does the **efficiency of plants**.

This makes it all the more important that you have a compact measuring instrument to hand for temperature measurement that shows you what you need to know simply, quickly and precisely. A measuring instrument like the testo 925. It convinces not only by the large measuring range (-50 to +1000 °C), its handling, robustness and the smart support via App will also inspire you.

One Type K thermocouple probe is included in delivery. However, the testo 925 is also compatible with other commercially available TC Type K probes.

The testo Smart App supports you in your work with the testo 925 with these practical functions:

- Configure measuring instrument
- Display graphical measured value curve
- Save measurement data
- Manage customers and measuring points
- Documentation on site
- E-mail dispatch of the report

Ordering data / technical data / accessories

testo 925

testo 925, 1-channel temperature measuring instrument TC Type K with App connection and audible alarm, incl. transport bag, 1 x TC Type K probe, calibration protocol and 3 x AA batteries

Order no. 0563 0925



* Versatile flexible and fast-reaction probe (TC Type K, Class 1) with glass silk sheathed cable (cable length 800 mm)

TopSafe

TopSafe, protects against impact and dirt, with attachment magnets and stand-up bracket

Order no. 0516 0224



The testo Smart App

- Simple and fast: Measurement menus for numerous applications provide optimum support in configuring and carrying out the measurement
- Clear graphical presentation of readings, e.g. as a table, for quick interpretation of results
- Create digital measurement reports including photos as PDF/CSV files on site and send via e-mail



• PRO* Multi-site measurement program

for optimizing processes with professional customer and measuring point management:

- Time-saving thanks to clear documentation
- Easy measured value assignment
- All measurement results in one report

*PRO: after trial subscription subject to charge, can be cancelled monthly (not available in every country)

Download and test
testo Smart App for free



Sensor type TC Type K

Measuring range	-50 to +1000 °C
Accuracy ± 1 digit	$\pm(0.5 \text{ } ^\circ\text{C} + 0.3\% \text{ of m.v.})$ (-50 to +1000 °C)
Resolution	0.1 °C (-50 to +499.9 °C) 1 °C (rem. measuring range)

General technical data

Operating temperature	-20 to +50 °C
Storage temperature	-20 to +50 °C
Battery type	3 x AA
Battery life	150 h
Dimensions	135 x 60 x 28 mm
Weight	188 g
Protection class	IP20 (IP40 with connected probe), IP65 with TopSafe
Housing material	ABS + PC / TPE

Accessories

Order no.

TopSafe, protects against impact and dirt, with attachment magnets and stand-up bracket	0516 0224
Mobile BT®/ IRDA printer, incl. 1 roll of thermal paper, rech. battery and mains unit	0554 0622
Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years	0554 0568
ISO temperature calibration certificate, for air/immersion probe, calibration points -18 °C; 0 °C; +60 °C	0520 0001
ISO temperature calibration certificate (only valid for immersion/penetration probe 0602 2693) Measuring instruments with air/immersion probe, calibration points 0 °C; +150 °C; +300 °C	0520 0021
ISO temperature calibration certificate Measuring instruments with air/immersion probe, calibration points 0 °C; +300 °C; +600 °C	0520 0031
ISO temperature calibration certificate Measuring units with surface probe, calibration points +60 °C; +120 °C; +180 °C	0520 0071
DAkkS temperature calibration certificate Measuring instruments with air/immersion probe, calibration points -20 °C; 0 °C; +60 °C	0520 0211
DAkkS temperature calibration certificate Surface temperature sensor touching, calibration points +100 °C; +200 °C; +300 °C	0520 0271



Temperature probes

Probe type	Probe shaft/probe shaft tip dimensions	Measuring range	Accuracy	Response time	Order no.
Robust air probe, TC Type K, fixed cable	 115 mm Ø 4 mm	-60 to +400 °C	Class 2 ¹⁾	200 sec	0602 1793
Very fast-reaction surface probe with sprung thermocouple strip, also suitable for uneven surfaces, measuring range briefly up to +500°C, TC Type K, fixed cable	 115 mm Ø 5 mm Ø 12 mm	-60 to +300 °C	Class 2 ¹⁾	3 sec	0602 0393
Fast-reaction paddle surface probe, for measurements in places that are difficult to access (e.g. narrow openings and cracks), thanks to flat, flexible tip, TC Type K, fixed cable	 145 mm Ø 8 mm 40 mm Ø 7 mm	0 to +300 °C	Class 2 ¹⁾	5 sec	0602 0193
Precise, watertight surface probe with small measuring head for even surfaces, TC Type K, fixed cable	 150 mm Ø 2.5 mm Ø 4 mm	-60 to +1000 °C	Class 1 ¹⁾	20 sec	0602 0693
Very fast-reaction surface probe with sprung thermocouple strip, angled for uneven surfaces, measuring range briefly up to +500 °C, TC Type K, fixed cable	 80 mm Ø 5 mm 50 mm Ø 12 mm	-60 to +300 °C	Class 2 ¹⁾	3 sec	0602 0993
Surface temperature probe TC Type K, with telescope max. 985 mm, for measurements in locations that are difficult to access, fixed cable 1.6 m (correspondingly shorter when telescope is extended)	 985 ±5 mm 12 mm Ø 25 mm	-50 to +250 °C	Class 2 ¹⁾	3 sec	0602 2394
Magnetic probe, adhesive power approx. 20 N, with adhesive magnets, for measurements on metal surfaces, TC Type K, fixed cable	 35 mm Ø 20 mm	-50 to +170 °C	Class 2 ¹⁾	150 sec	0602 4792
Magnetic probe, adhesive power approx. 10 N, with adhesive magnets, for higher temperatures, for measurements on metal surfaces, TC Type K, fixed cable	 75 mm Ø 21 mm	-50 to +400 °C	Class 2 ¹⁾		0602 4892
Watertight surface probe with wider measuring tip for even surfaces, TC Type K, fixed cable	 115 mm Ø 5 mm Ø 6 mm	-60 to +400 °C	Class 2 ¹⁾	30 sec	0602 1993
Pipe wrap probe with Velcro strip, for measuring temperatures on pipes with diameters up to max. 120 mm, Tmax +120 °C, TC Type K, fixed cable	 395 mm 20 mm	-50 to +120 °C	Class 1 ¹⁾	90 sec	0628 0020
Pipe wrap probe for pipe diameters 5 to 65 mm, with interchangeable measuring head, measuring range briefly up to +280 °C, TC Type K, fixed cable		-60 to +130 °C	Class 2 ¹⁾	5 sec	0602 4592
Replacement measuring head for pipe wrap probe, TC Type K	 35 mm 15 mm	-60 to +130 °C	Class 2 ¹⁾	5 sec	0602 0092

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

Temperature probes

Probe type	Probe shaft/probe shaft tip dimensions	Measuring range	Accuracy	t_{99}	Order no.
Clamp probe for measurements on pipes, pipe diameters 15 to 25 mm (max. 1"), measuring range briefly up to +130°C, TC Type K, fixed cable		-50 to +100 °C	Class 2 ¹⁾	5 sec	0602 4692
Precise and fast immersion probe, flexible, watertight, TC Type K, fixed cable	 Ø 1.5 mm 300 mm	-60 to +1000 °C	Class 1 ¹⁾	2 sec	0602 0593
Ultra-fast, watertight immersion/penetration probe, TC Type K, fixed cable	 Ø 5 mm 60 mm 14 mm Ø 1.5 mm	-60 to +800 °C	Class 1 ¹⁾	3 sec	0602 2693
Immersion measuring tip, flexible, TC Type K	 Ø 1.5 mm 500 mm	-40 to +1000 °C	Class 1 ¹⁾	5 sec	0602 5792
Immersion measuring tip, flexible, for measurements in air/flue gases (not suitable for measurements in smelters), TC Type K	 Ø 3 mm 1000 mm	-40 to +1000 °C	Class 1 ¹⁾	4 sec	0602 5693
Watertight immersion/penetration probe, TC Type K, fixed cable	 Ø 5 mm 114 mm 50 mm Ø 3.7 mm	-60 to +400 °C	Class 2 ¹⁾	7 sec	0602 1293
Flexible, low-mass immersion measuring tip, ideal for measurements in small volumes, such as Petri dishes, or for surface measurements (e.g. fixed with adhesive tape)	 Ø 0.25 mm 500 mm Ø 1.5 mm	-40 to +1000 °C	Class 1 ¹⁾	1 sec	0602 0493
Watertight stainless steel food probe (IP65), TC Type K, fixed cable	 Ø 4 mm 125 mm 30 mm Ø 3.2 mm	-60 to +400 °C	Class 2 ¹⁾	7 sec	0602 2292
Thermocouple with TC plug, flexible, length 800 mm, fibreglass, TC Type K	 Ø 1.5 mm 800 mm	-50 to +400 °C	Class 2 ¹⁾	5 sec	0602 0644
Thermocouple with TC plug, flexible, length 1500 mm, fibreglass, TC Type K	 Ø 1.5 mm 1500 mm	-50 to +400 °C	Class 2 ¹⁾	5 sec	0602 0645
Thermocouple with TC plug, flexible, length 1500 mm, PTFE, TC Type K	 Ø 1.5 mm 1500 mm	-50 to +250 °C	Class 2 ¹⁾	5 sec	0602 0646
Globe thermometer Ø 150 mm, TC Type K, for measuring radiant heat		0 to +120 °C	Class 1 ¹⁾		0602 0743

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

Information about surface measurement:

- The specified response times t_{99} are measured on polished steel or aluminium plates at +60 °C.
- The specified accuracies are sensor accuracies.
- Their accuracy in your application depends on the surface properties (roughness), the material of the measurement object (thermal capacity and heat transfer) and the sensor accuracy. Testo will produce a corresponding calibration certificate for the deviations of your measurement system in your application. For this, Testo uses a surface test bed developed in cooperation with the PTB (Physikalisch Technische Bundesanstalt - National Metrology Institute of Germany).