Data sheet
testo 925

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# 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

Bluetooth 5.0 + App
testo SMART
testo Smart App for free download
GET IT ON Google Play
Download on the App Store

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

www.testo.com

# 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

| Sensor type | TC Type K |
|---|---|
| Measuring range | -50 to +1000 °C |
| Accuracy ±1 digit | ±(0.5 °C + 0.3% of m.v.) (-50 to +1000 °C) |
| Resolution | 0.1 °C (-50 to +499.9 °C)<br>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)<br>Measuring instruments with air/immersion probe, calibration points 0 °C; +150 °C; +300 °C | 0520 0021 | |
| ISO temperature calibration certificate<br>Measuring instruments with air/immersion probe, calibration points 0 °C; +300 °C; +600 °C | 0520 0031 | |
| ISO temperature calibration certificate<br>Measuring units with surface probe, calibration points +60 °C; +120 °C; +180 °C | 0520 0071 | |
| DAkkS temperature calibration certificate<br>Measuring instruments with air/immersion probe, calibration points -20 °C; 0 °C; +60 °C | 0520 0211 | |
| DAkkS temperature calibration certificate<br>Surface temperature sensor touching, calibration points +100 °C; +200 °C; +300 °C | 0520 0271 | |

## The testo Smart App

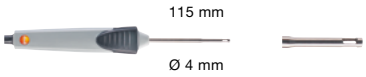
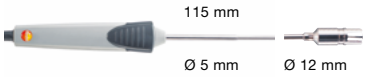
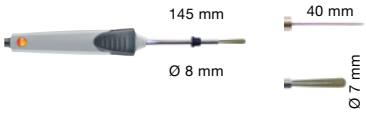
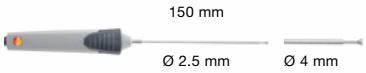
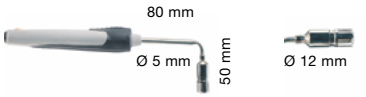
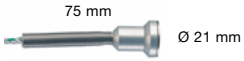
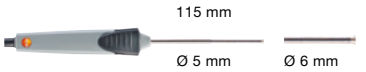
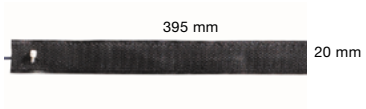
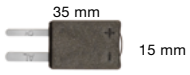
- Simple and fast: Measurement menus for numerous applications provide optimum support in configuring and carrying out the measurement
- Clear graphical presentation of readings, e.g. as a table, for quick interpretation of results
- Create digital measurement reports including photos as PDF/CSV files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

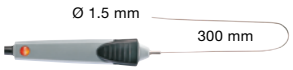
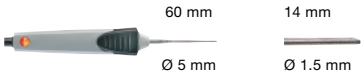
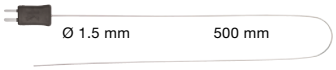
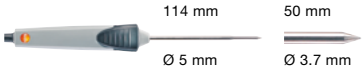
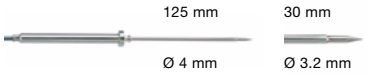
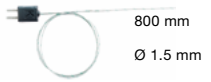
**Download and test testo Smart App for free**

# 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 |   | -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 |   | -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 |   | 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 |   | -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 |   | -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) | | -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 | | -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 |   | -50 to +400 °C | Class 2 [1] | | 0602 4892 |
| Watertight surface probe with wider measuring tip for even surfaces, TC Type K, fixed cable |   | -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 |   | -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 |   | -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. |
|---|---|---|---|---|---|
| Precise and fast immersion probe, flexible, watertight, TC Type K, fixed cable |   | -60 to +1000 °C | Class 1 [1] | 2 sec | 0602 0593 |
| Ultra-fast, watertight immersion/ penetration probe, TC Type K, fixed cable |   | -60 to +800 °C | Class 1 [1] | 3 sec | 0602 2693 |
| Immersion measuring tip, flexible, TC Type K |   | -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 | | -40 to +1000 °C | Class 1 [1] | 4 sec | 0602 5693 |
| Watertight immersion/penetration probe, TC Type K, fixed cable |   | -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) | TC Type K, 2 m, FEP-insulated thermal wire, temperature-resistant up to 200 °C, oval cable with dimensions: 2.2 mm x 1.4 mm | -40 to +1000 °C | Class 1 [1] | 1 sec | 0602 0493 |
| Watertight stainless steel food probe (IP65), TC Type K, fixed cable |   | -60 to +400 °C | Class 2 [1] | 7 sec | 0602 2292 |
| Thermocouple with TC plug, flexible, length 800 mm, fibreglass, TC Type K |   | -50 to +400 °C | Class 2 [1] | 5 sec | 0602 0644 |
| Thermocouple with TC plug, flexible, length 1500 mm, fibreglass, TC Type K | | -50 to +400 °C | Class 2 [1] | 5 sec | 0602 0645 |
| Thermocouple with TC plug, flexible, length 1500 mm, PTFE, TC Type K | | -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.

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**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).

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Subject to change, including technical modifications.