

# Temperature measuring instrument (1-channel)

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

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

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

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Wide range of applications due to large measuring range from -58 to 1,832 °F

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

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Audible alarm sounds if a limit value is exceeded

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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 at hand for temperature measurements that show what you need to know simply, quickly and precisely. A measuring instrument like the testo 925 convinces not only by the large measuring range (-58 to 1832 °F), its handling, robustness and the smart support via the testo Smart 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
- Second Screen display

## 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 31.4 in)

### 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        | -58 to 1,832 °F                                                |
| Accuracy $\pm 1$ digit | $\pm(0.9\text{ °F} + 0.3\% \text{ of m.v.})$ (-58 to 1,832 °F) |
| Solution               | 0.1 °F (-58 to 931.8 °F)<br>1 °F (rem. measuring range)        |

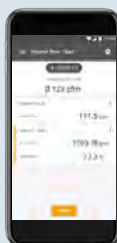
#### General technical data

|                       |                            |
|-----------------------|----------------------------|
| Operating temperature | -4° to 122 °F              |
| Storage temperature   | -4° to 122 °F              |
| Battery type          | 3 x AA                     |
| Battery life          | 150 h                      |
| Dimensions            | 5.3 x 2.4 x 1.1 in         |
| Weight                | 0.41 lbs                   |
| Protection class      | IP40<br>with TopSafe: IP65 |
| Housing material      | ABS + PC / TPE             |

#### Accessories

#### Order no.

|                                                                                                          |             |
|----------------------------------------------------------------------------------------------------------|-------------|
| TopSafe, protects against impact and dirt, with attachment magnets and stand-up bracket                  | 0516 0224   |
| testo Bluetooth® printer, incl. 1 roll of thermal paper, rech. battery and power supply                  | 0554 0621   |
| Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years | 0554 0568   |
| NIST Temperature Certificate pick 3 standard points between -20, +10, +25 and +40°C                      | 400520 1901 |
| NIST Temperature Certificate pick 3 custom points between -20 and/or from +5 to +70°C                    | 400520 1902 |



#### The testo Smart App

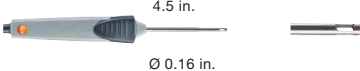
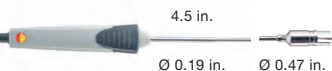
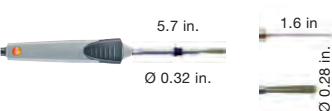
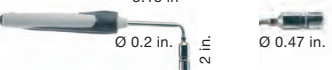
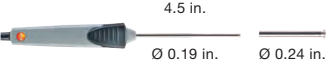
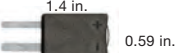
- Simple and fast: Measurement menus for numerous applications provide optimum support in configuring and carrying out the measurement
- Clear graphical presentation of readings, e.g. as a table, for quick interpretation of results
- Create digital measurement reports including photos as PDF/CSV files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



Free download  
for Android and iOS

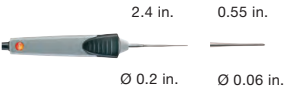
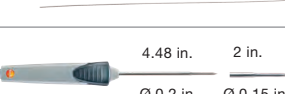
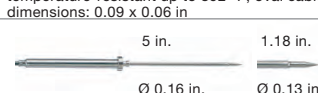
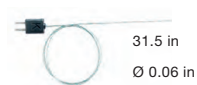
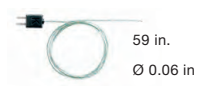


# Temperature probes

| Probe type                                                                                                                                                                                             | Probe shaft/probe shaft tip dimensions                                              | Measuring range | Accuracy              | Response time | Order no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|-----------------------|---------------|-----------|
| Robust air probe, TC Type K, fixed cable                                                                                                                                                               |    | -76 to 752 °F   | Class 2 <sup>1)</sup> | 200 sec       | 0602 1793 |
| Very fast-reaction surface probe with sprung thermocouple strip, also suitable for uneven surfaces, measuring range briefly up to 932 °F, TC Type K, fixed cable                                       |    | -76 to 572 °F   | Class 2 <sup>1)</sup> | 3 sec         | 0602 0393 |
| Fast-reaction paddle surface probe, for measurements in places that are difficult to access, e.g. narrow openings and cracks, TC Type K, fixed cable                                                   |    | 32 to 572 °F    | Class 2 <sup>1)</sup> | 5 sec         | 0602 0193 |
| Precise, watertight surface probe with small measuring head for even surfaces, TC Type K, fixed cable                                                                                                  |    | -76 to 1,832 °F | Class 1 <sup>1)</sup> | 20 sec        | 0602 0693 |
| Very fast-reaction surface probe with sprung thermocouple strip, angled for uneven surfaces, measuring range briefly up to 932 °F, TC Type K, fixed cable                                              |    | -76 to 572 °F   | Class 2 <sup>1)</sup> | 3 sec         | 0602 0993 |
| Surface temperature probe TC Type K, with telescope max. 39 in., for measurements in locations that are difficult to access, fixed cable 5.25 ft. (correspondingly shorter when telescope is extended) |  | -58 to 482 °F   | Class 2 <sup>1)</sup> | 3 sec         | 0602 2394 |
| Magnetic probe, adhesive power approx. 20 N, with adhesive magnets, for measurements on metal surfaces, TC Type K, fixed cable                                                                         |  | -58 to 338 °F   | Class 2 <sup>1)</sup> | 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                                                |  | -58 to 752 °F   | Class 2 <sup>1)</sup> |               | 0602 4892 |
| Watertight surface probe with wider measuring tip for even surfaces, TC Type K, fixed cable                                                                                                            |  | -76 to 752 °F   | Class 2 <sup>1)</sup> | 30 sec        | 0602 1993 |
| Pipe wrap probe with Velcro strip, for measuring temperatures on pipes with diameters up to max. 4.7 in., Tmax 248 °F, TC Type K, fixed cable                                                          |  | -58 to 248 °F   | Class 1 <sup>1)</sup> | 90 sec        | 0628 0020 |
| Pipe wrap probe for pipe diameters 0.2 to 2.5 in., with interchangeable measuring head, measuring range briefly up to 536 °F, TC Type K, fixed cable                                                   |  | -76 to 266 °F   | Class 2 <sup>1)</sup> | 5 sec         | 0602 4592 |
| Replacement measuring head for pipe wrap probe, TC Type K                                                                                                                                              |  | -76 to 266 °F   | Class 2 <sup>1)</sup> | 5 sec         | 0602 0092 |

<sup>1)</sup> According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to 1,832 °F (Type K), of Class 2 to -40 to 2,192 °F (Type K) and of Class 3 to -328 to 104 °F (Type K). A probe only ever complies with one accuracy class.

# Temperature probes

| Probe type                                                                                                                                                             | Probe shaft/probe shaft dimensions                                                                                                                                                                               | Measuring range | Accuracy              | t <sub>99</sub> | Order no. |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------|-----------------|-----------|
| Clamp probe for measurements on pipes, pipe diameters 0.5 to 2.5 in (max. 1"), measuring range briefly up to 226 °F, TC Type K, fixed cable                            |                                                                                                                                 | -58 to 212 °F   | Class 2 <sup>1)</sup> | 5 sec           | 0602 4692 |
| Precise and fast immersion probe, flexible, watertight, TC Type K, fixed cable                                                                                         |                                                                                                                                 | -76 to 1,832 °F | Class 1 <sup>1)</sup> | 2 sec           | 0602 0593 |
| Ultra-fast, watertight immersion/penetration probe, TC Type K, fixed cable                                                                                             |                                                                                                                                 | -76 to 1,472 °F | Class 1 <sup>1)</sup> | 3 sec           | 0602 2693 |
| Immersion measuring tip, flexible, TC Type K                                                                                                                           |                                                                                                                                 | -40 to 1832 °F  | Class 1 <sup>1)</sup> | 5 sec           | 0602 5792 |
| Immersion measuring tip, flexible, TC Type K                                                                                                                           |                                                                                                                                 | -328 to 104 °F  | Class 3 <sup>1)</sup> | 5 sec           | 0602 5793 |
| Immersion measuring tip, flexible, for measurements in air/flue gases (not suitable for measurements in smelters), TC Type K                                           |                                                                                                                                 | -40 to 1,832 °F | Class 1 <sup>1)</sup> | 4 sec           | 0602 5693 |
| Watertight immersion/penetration probe, TC Type K, fixed cable                                                                                                         |                                                                                                                                 | -76 to 752 °F   | Class 2 <sup>1)</sup> | 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) | <br>TC Type K, 2 m, FEP-insulated thermal wire, temperature-resistant up to 392 °F, oval cable with dimensions: 0.09 x 0.06 in | -40 to 1,832 °F | Class 1 <sup>1)</sup> | 1 sec           | 0602 0493 |
| Watertight stainless steel food probe (IP65), TC Type K, fixed cable                                                                                                   |                                                                                                                               | -76 to 752 °F   | Class 2 <sup>1)</sup> | 7 sec           | 0602 2292 |
| Thermocouple with TC plug, flexible, length 31.5 in., fibreglass, TC Type K                                                                                            |                                                                                                                               | -58 to 752 °F   | Class 2 <sup>1)</sup> | 5 sec           | 0602 0644 |
| Thermocouple with TC plug, flexible, length 59 in., fibreglass, TC Type K                                                                                              |                                                                                                                               | -58 to 752 °F   | Class 2 <sup>1)</sup> | 5 sec           | 0602 0645 |
| Thermocouple with TC plug, flexible, length 59 in., PTFE, TC Type K                                                                                                    |                                                                                                                               | -58 to 482 °F   | Class 2 <sup>1)</sup> | 5 sec           | 0602 0646 |
| Globe thermometer Ø 5.9 in., TC Type K, for measuring radiant heat                                                                                                     |                                                                                                                               | 32 to 248 °F    | Class 1 <sup>1)</sup> |                 | 0602 0743 |

<sup>1)</sup> According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to 1,832 °F (Type K), of Class 2 to -40 to 2,192 °F (Type K) and of Class 3 to -328 to 104 °F (Type K). A probe only ever complies with one accuracy class.

## Information about surface measurement:

- The specified response times t<sub>99</sub> are measured on polished steel or aluminium plates at 140 °F.
- 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).