

Temperature measuring instrument (1-channel)

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



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 | 2 years |

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

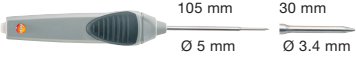
Accessories

| 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

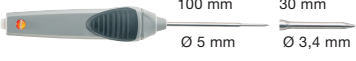
Radio probes for immersion/penetration measurements

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 | |
|  | -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 | |

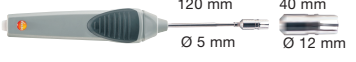
Radio handles with probe head for air-/ immersion-penetration-meas.

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 | |
|  | -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 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) |

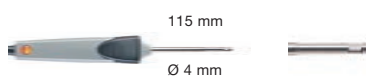

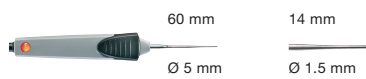



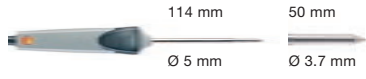

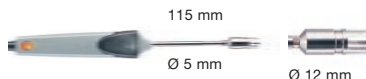
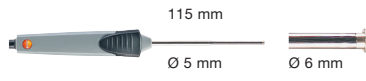
Radio handle

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

Common Technical Data


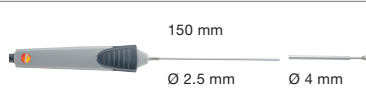



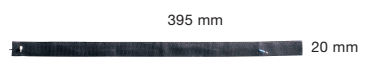
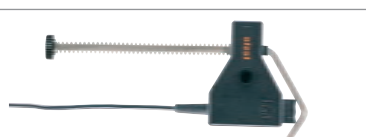
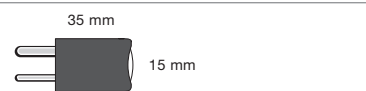

| | |
|--------------------|-------------------------------------|
| Measuring rate | 0.5 s or 10 s, adjustable on handle |
| Radio coverage | Up to 20 m (without obstructions) |
| Radio transmission | Unidirectional |
| Oper. temp. | -20 to +50 °C |
| Storage temp. | -40 to +70 °C |

Probes

| Probe type | Dimensions Probe shaft/probe shaft tip | Measuring range | Accuracy | t ₉₉ | Part no. |
|--|---|------------------|-----------------------|-----------------|-----------|
| Air probes | | | | | |
| <ul style="list-style-type: none"> 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 | | | | | |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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 | | | | | |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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 |

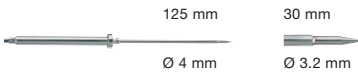

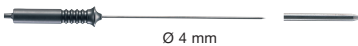
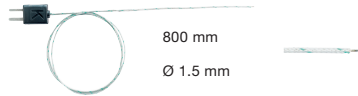
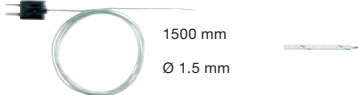

- The measuring instrument inside TopSafe is waterproof with this probe.
- 1) According to standard EN 60584-2, the accuracy of Class 1 refers to -40 to +1000 °C (Type K), Class 2 to -40 to +1200 °C (Type K), Class 3 to -200 to +40 °C (Type K). A probe always corresponds to only **one** accuracy class.

Probes

| Probe type | Dimensions Probe shaft/probe shaft tip | Measuring range | Accuracy | t ₉₉ | Part no. |
|--|---|-----------------|-----------------------|-----------------|-----------|
| Surface probes | | | | | |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> 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 | | | | | |
| <p>Waterproof food probe made of stainless steel (IP65), TC Type K, Fixed cable</p> |  | -60 to +400 °C | Class 2 ¹⁾ | 7 s | 0602 2292 |
| <p>Robust food probe with special handle, IP 65, reinforced cable (PUR), T/C Type K, Fixed cable</p> |  | -60 to +400 °C | Class 1 ¹⁾ | 6 s | 0602 2492 |
| <p>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</p> |  | -50 to +230 °C | Class 1 ¹⁾ | 15 s | 0628 1292 |
| Thermocouples | | | | | |
| <p>Thermocouple with TC adapter, flexible, 800mm long, fibre glass, TC Type K</p> |  | -50 to +400 °C | Class 2 ¹⁾ | 5 s | 0602 0644 |
| <p>Thermocouple with TC adapter, flexible, 1500mm long, fibre glass, TC Type K</p> |  | -50 to +400 °C | Class 2 ¹⁾ | 5 s | 0602 0645 |
| <p>Thermocouple with TC adapter, flexible, 1500mm long, PTFE, TC Type K</p> |  | -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 t₉₉ 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 well 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).

