



testo 0572 2162 Probes For Data Logger Application Owner's Manual

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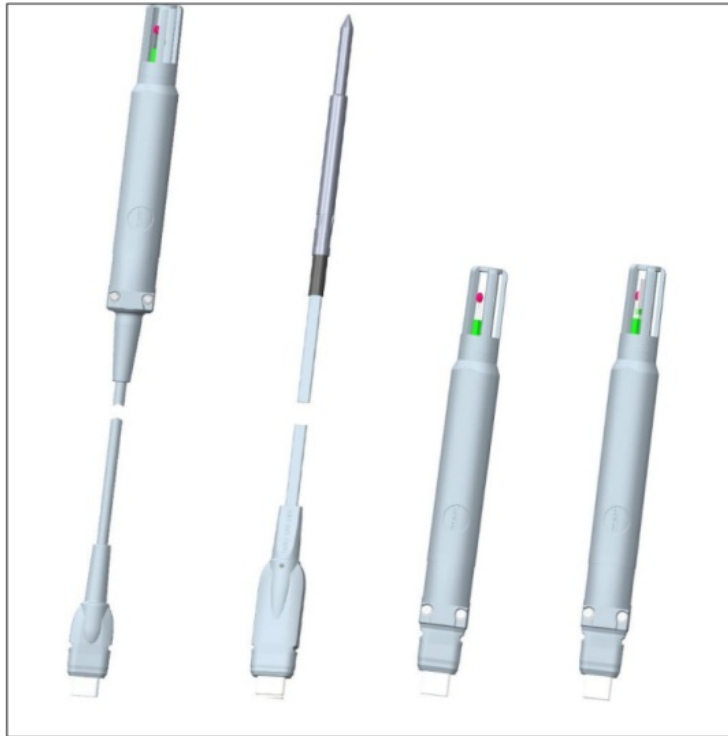
NTC temperature probe 0572 2162, Temperature/humidity probe 0572 2164,
PT100 temperature probe 0572 2163,

Temperature/humidity probe 0572 2165 Application information

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0572 2162 Probes For Data Logger Application



Please read this instruction manual through carefully and familiarize yourself with the product before putting it to use.

You will find detailed instructions and further information about proper use in the login area of the respective Testo solution at: www.testo.com/login.

Safety and disposal

About this document


- The instruction manual is an integral part of the instrument.
- Pay particular attention to the safety instructions and warning advice in order to prevent injury and damage to the product.
- Keep this documentation to hand so that you can refer to it when necessary.
- Always use the complete original instruction manual.
- Hand this instruction manual on to any subsequent users of the product.

Security

General safety instructions

- Only operate the product properly, for its intended purpose, and within the parameters specified in the technical data.
- Do not operate the instrument if there are signs of damage on the housing, mains unit or connected cables.
- Dangers may also arise from objects to be measured or the measuring environment. Always comply with the locally valid safety regulations when carrying out measurements.
- Temperature information given on probes/sensors relates only to the measuring range of the sensor technology. Do not expose handles and feed lines to temperatures in excess of 70 °C (158 °F), unless they are expressly authorized for use at higher temperatures.

- Do not carry out any contact measurements on uninsulated, live parts.
- Do not store the product together with solvents.
- Maintenance work that is not described in this documentation must only be carried out by trained service engineers.
- Use only original spare parts from Testo.

 Do not use the probes in a polluted environment (heavily dusty, oil, foreign matter, volatile chemicals).

Disposal

- At the end of its useful life, deliver the product to the separate collection point for electric and electronic devices (observe local regulations) or return the product to Testo for disposal.

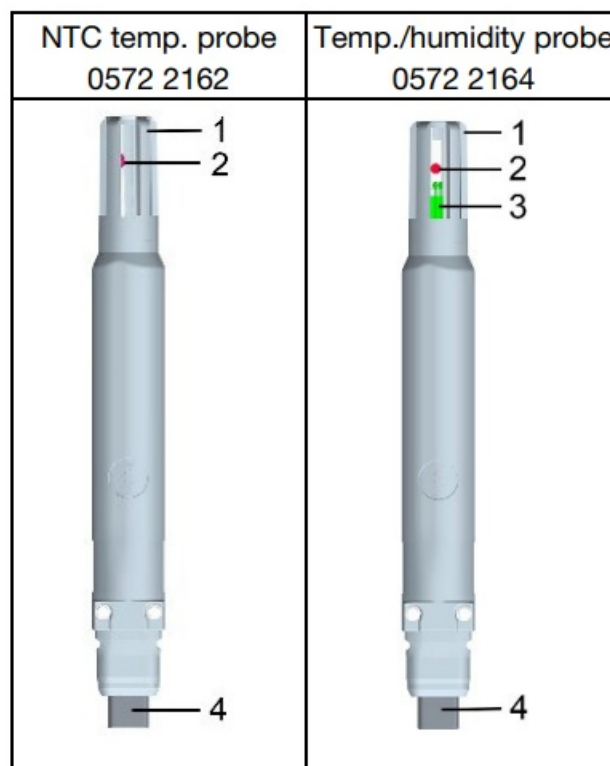
Description of the instrument

Use

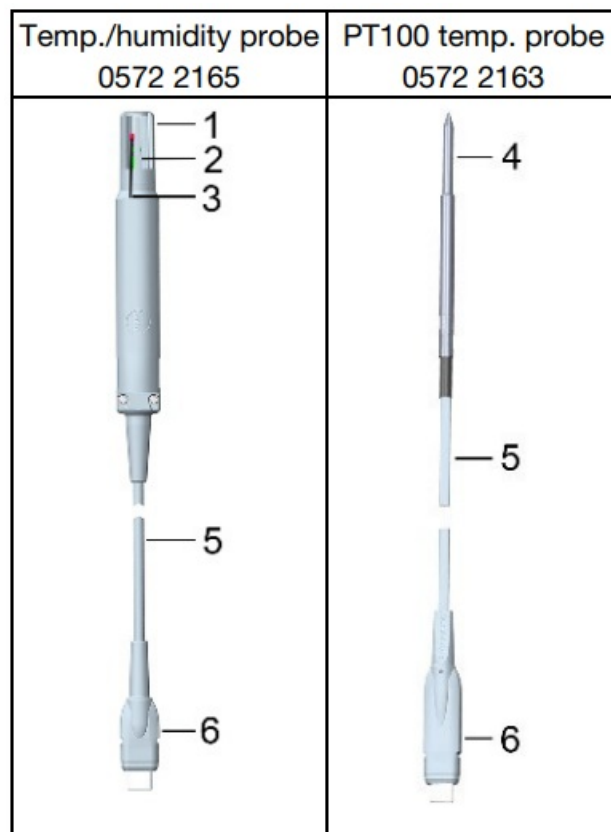
In conjunction with the compatible data loggers and handheld measuring instruments, the digital temperature and humidity probes form measuring instruments for measuring temperature and/or humidity.

The supplied closed cleaning protection cap (0135 0369) must be mounted on the sensors (0572 2162, 0572 2164, 0572 2165) to protect the sensor from cleaning agents during cleaning activities. The cleaning protection cap has a protection class of IP54. When the sensors are connected with an extension cable 0449 3302, 0449 3306, or 0449 3310, the protection rating of this connection is also IP54.

Overview



1. Protective cap
2. NTC temperature sensor
3. Humidity sensor
4. TUC connector



1. Protective cap
2. Humidity sensor
3. NTC temperature sensor
4. PT100 temperature sensor
5. Cable
6. TUC connector

Commissioning

i When commissioning NTC temp. (0572 2162) and temp./humidity (0572 2164 and 0572 2165) sensors, the closed cleaning protection cap must be removed from the sensor. Otherwise, the sensors only measure the internal ambient conditions inside the cleaning protection cap.

Installing the probe on the data logger

1. Connect the probe's TUC connector to the designated jack on the data logger.
2. Log the data logger into the testo Saveris Cloud or the local testo Saveris software.
3. Configure the probe and the data logger via the configuration menu in the testo Saveris Cloud or the local testo Saveris software.

i Digital probes must be connected to the data logger prior to registration of the data logger in the system.

Technical data

Feature	0572 2162	0572 2163 ³	0572 2164	0572 2165
Measurement parameters	°C/°F		°C/°F, %RH (+ °Ctd, g/m3)	
Operating temperature	-30 to +50 °C (86 to 122 °F)			
Storage temperature	-30 to +60 °C (86 to 140 °F)			
Measuring range	-30 to +50 °C (86 to 122 °F)	-85 to +150 °C4 (185 to 302 °F)	-30 to +50 °C (86 to 122 °F)/0 to 100% RH (non-condensing)	
System accuracy (± 1 Digit)	±0.4 °C/°F	±(0,25°C (0.5 °F) + 0,3% of m.v.)	± 0,4 °C (1 °F) ± 2,0 %rF for 0 to 90 %RH at 25 °C (77 °F) 1,0%rF hysteresis 1%rF / year drift	
Resolution	0.1 °C/°F	0.01 °C/°F	0.1 °C / 0.1% RH	
Temperature coefficient /-type (k=1)			± 0.03 %RH/K	
Dimensions (l*w*h in mm)	Length: 120 mm Ø: 20 mm	Length: 90 mm Ø: 3 mm	Length: 105 mm / Ø: 12 mm	
Ø cable		5 mm		5 mm
Cable length		1.3 m		1.3 m
Protection class system data logger	Probe: IP42			
Protection class system sensor	Protective cap: IP 54			
Protection class probe	Extension cable: IP54			
Weight	17.2 g	23.8 g	17.4 g	40.8 g

Pt100 accuracy class A

Temperature range applies to the sensor tip as well as the cable of the Pt100 probe. In the case of the TUC connector, the temperature range specified as „operating temperature” applies.

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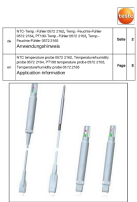
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Documents / Resources



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0572 2162 Probes For Data Logger Application, 0572 2162, Probes For Data Logger Application, Data Logger Application, Application

References

- [testo.com/login](#)
- [User Manual](#)

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