

Handling instructions

Flexible humidity probe
0628.0022



Description

Humidity probe with 1.5 m long, flexible cable.
A humidity sensor and a temperature sensor are situated in the tip of the probe (sintered cap).

Application

Humidity and temperature measurements in uneasily accessible places e.g. in drilled holes, pipes, as well as climatic test cabinets, medical analysing instruments, incubating cabinets, etc.
The flexible humidity probe has been developed for applications with the **testo 445, 645** Professional Class measuring instruments. Use the connection cable available (see ordering data) for your instrument for connection to the other instruments.

Please read the instruction manual before using the measuring instrument.

Technical data



Make sure that that the flexible cable does not get badly bent (bending radius > 20 mm), as this may destroy the cable!
Observe the measuring range of the probe!
Overheating can destroy the probe!

Measuring range.....	0 to 100 % RH -20 to +180 °C
Input temperature.....	Ni 10000
Accuracy	±2 % RH (2 to 98 % RH) at nominal temperature +25 °C ±0.6 °C (-20 to 0°C) ±0.5 °C (0 to +25 °C) ±1.1 °C (+25 to +180 °C)
Resolution, humidity	0.1 % RH
Resolution, temperature	0.1 °C
Length of probe.....	1500 mm
Ø probe tip	12 mm
Ø cable	6 mm
Minimum bending radius	20 mm

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Care and maintenance

Depending on the application and dirt which has gathered, we recommend a quaterly to yearly control with our **0554.0660** control and calibration set. For instructions on the use of this control and calibration set, see the corresponding instruction manual.

Clean **dirty sensors** with alcohol (isopropanol) or distilled water.

Unscrew the sintered cap.

Dip the sensor in the alcohol, rinse in distilled water and then leave to dry in the air.

Put the sintered cap back on and screw up tightly.

Do not touch or knock the sensor!

The active surface (flat metallic side) of the sensor must face outwards!

Faulty sensors can be replaced, please contact our service department.

Dirty sintered caps can also be cleaned in alcohol or in distilled water, or purged with compressed air.

Ordering data

Flexible humidity probe (without cable)..... 0628.0022
Plug-in head connection cable (1.5 mtr.)
for **testo 445, 645** 0430.0143
Plug-in head connection cable (5 mtr.)
for **testo 445, 645** 0430.0145
Humidity sensor..... 0554.6005
Temperature sensor (Ni10000) 0554.6014
Sintered cap 0554.0641
Humidity control and calibration set..... 0554.0660
11,3 %/75,3 %, instruction manual

Warranty

Flexible humidity probe 12 Monate