



Data sheet
testo 605i

Thermohygrometer operated with smartphone

testo 605i

Compact professional measuring instrument from the Testo Smart Probes series for use with smartphones/tablets

Measurement of air humidity and temperature in rooms and ducts

Automatic calculation of dewpoint and wet bulb temperature via testo Smart Probes App

Measurement data analyzed and sent via testo Smart Probes App

Problem-free use at measuring points that are a long distance apart – Bluetooth® range up to 100 m

Bendable probe head for particularly convenient measurements



 Bluetooth®
+ App

testo Smart Probes App
for free download



In conjunction with a smartphone or tablet, the compact testo 605i humidity measuring instrument is suitable for the measurement of air temperature and relative humidity in rooms and ducts. Cooling and heating output can also be determined in conjunction with the testo 405i thermal anemometer.


Users can read off their measuring values conveniently via the testo Smart Probes App installed on the terminal device. The App also enables the automatic determination of dewpoint and wet bulb temperature. All measurement data are presented either as a diagram or a table. Finally, the measurement data reports can be sent directly as pdf or Excel files.




Technical data/accessories

testo 605i

testo 605i, thermohygrometer operated with smartphone, including batteries and calibration protocol



Order no. 0560 2605 02



testo Smart Probes App

The App turns your smartphone/tablet into the display for the testo 605i. Both the operation of the measuring instrument and the display of the readings are achieved by Bluetooth® via the testo Smart Probes App on your smartphone or tablet – irrespective of the measuring location. In addition, you can use the App to create measurement reports, add photos and comments to these and send them by e-mail. For iOS and Android.

Sensor type	Humidity – capacitive
Measuring range	0 to 100 %RH
Accuracy (at +25 °C) ±1 digit	±3.0 %RH (10 to 35 %RH) ±2.0 %RH (35 to 65 %RH) ±3.0 %RH (65 to 90 %RH) ±5 %RH (< 10 %RH or > 90 %RH)
Resolution	0.1 %RH

Sensor type	NTC
Measuring range	-20 to +60 °C
Accuracy ±1 digit	±0.8 °C (-20 to 0 °C) ±0.5 °C (0 to +60 °C)
Resolution	0.1 °C

General technical data	
Compatibility	requires iOS 8.3 or newer / Android 4.3 or newer requires mobile terminal device with Bluetooth® 4.0
Storage temperature	-20 to +60 °C
Operating temperature	-20 to +50 °C
Battery type	3 micro batteries AAA
Battery life	150 hrs
Dimensions	218 x 30 x 25 mm 73 mm probe shaft
Bluetooth® range	up to 100 m

Accessories	Order no.
testo Smart Case (VAC) for the storage and transport of testo 405i, testo 410i, testo 510i, testo 605i, testo 805i and testo 905i, dimensions 270 x 190 x 60 mm	0516 0260
ISO humidity calibration certificate, calibration points 11.3 %RH and 75.3 %RH at +25 °C	0520 0006
ISO calibration of testo 605i (11, 45, 75 %RH at +25 °C)	300520 0078

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Subject to change, including technical modifications.