

Thermal anemometer

testo 425 – Digital hot wire anemometer with App connection

Simple, fast and precise flow and temperature measurement plus volume flow calculation in the ventilation duct

More flexibility for duct measurements with the cable-connected telescopic probe (maximum length 820 mm)

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

Timed and point mean value calculation

Durability through compact design with robust housing



Optimally adjusted **air conditioning and ventilation systems** are a decisive factor for modern buildings. Accordingly, it is important to use the appropriate measurement technology to ensure that the flow, temperature and volume flow in the ventilation duct are correct.

The testo 425 thermal anemometer is your fast, easy and precise companion. The cable-connected telescopic probe can be extended up to 820 mm, making it easier

to work overhead or in large diameter ducts. All relevant calculations, such as volume flow or time and point averages, are performed automatically by the particularly robust and compact measuring instrument.

Incidentally: Configuration of the measuring instrument, display and storage of measured values as well as documentation are all particularly convenient with the testo Smart App. This also turns your smartphone into a second display.

Bluetooth 5.0
+ App

testo SMART

testo Smart App
for free download

GET IT ON
Google Play

Download on the
App Store

Ordering data / technical data / accessories

testo 425

testo 425, thermal hot wire anemometer with App connection and fixed telescope (max. 820 mm), incl. carrying bag, calibration protocol and 3 X AA batteries



Order no. 0563 0425



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



Sensor types

Hot wire	
Measuring range	0.01 to 30 m/s
Accuracy ±1 digit	±(0.03 m/s + 4% of m.v.) (0.01 to 20 m/s) ±(0.5 m/s + 5% of m.v.) (20.01 to 30 m/s)
Resolution	0.01 m/s

NTC	
Measuring range	-20 to +70 °C
Accuracy ±1 digit	±0.5 °C (1 to 30 m/s)
Resolution	0.1 °C

General technical data

Operating temperature	Measuring instrument: -20 to +50 °C Probe: -20 to +70 °C
Storage temperature	-20 to +50 °C
Battery type	3 x AA
Battery life	35 h
Dimensions	Measuring instrument: 135 x 60 x 28 mm Probe: Length 180 mm, Ø 7.5 mm Cable length 1.5 m
Weight	268 g
Protection class	IP20
Housing material	ABS + PC / TPE

Accessories	Order no.
Mobile BT®/ IRDA printer, incl. 1 roll of thermal paper, rech. battery and mains unit	0554 0622
Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years	0554 0568
ISO calibration certificate for flow, hot wire/vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s	0520 0004
ISO calibration certificate for flow, hot wire/vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s	0520 0034
ISO flow calibration certificate, hot wire, vane anemometer, Pitot tube, calibration points 0.3; 0.5; 0.8; 1.5 m/s	0520 0024

1981 2244/fb/01.2025

Subject to change, including technical modifications.