

# 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 32 in.)

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 32 in., 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 compact measuring instrument.

Configuration of the measuring instrument, display and storage of measured values as well as documentation are available with the testo Smart App. This also turns your smartphone into a second display to give you more flexibility on the job.

# Ordering data / technical data / accessories

## testo 425

testo 425, thermal hot wire anemometer with App connection and fixed telescope (max. 32 in.), incl. carrying bag, calibration protocol and 3 X AA batteries

Order no. 0563 0425



### Sensor types

#### Vane

|                        |                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Measuring range        | 0 to 5,905 fpm                                                                                                                      |
| Accuracy $\pm 1$ digit | $\pm(5.91 \text{ fpm} + 4\% \text{ of m.v.})$ (0 to 3,937 fpm)<br>$\pm(98 \text{ fpm} + 5\% \text{ of m.v.})$ (3937.1 to 5,905 fpm) |
| Resolution             | 0.01 fpm                                                                                                                            |

#### NTC

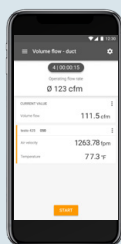
|                        |               |
|------------------------|---------------|
| Measuring range        | -4° to 158 °F |
| Accuracy $\pm 1$ digit | $\pm 0.9$ °F  |
| Resolution             | 0.1 °F        |

### General technical data

|                       |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Operating temperature | Measuring instrument: -4° to 122 °F<br>Probe: -4° to 158 °F                                      |
| Storage temperature   | -4° to 122 °F                                                                                    |
| Battery type          | 3 x AA                                                                                           |
| Battery life          | 35 h                                                                                             |
| Dimensions            | Measuring instrument: 5.3 x 2.4 x 1.1 in<br>Probe: Length 7.1in, Ø 0.30 in<br>Cable length 5 ft. |
| Weight                | 0.60 lbs.                                                                                        |
| Protection class      | Measuring instrument: IP 40<br>Probe: IP20                                                       |
| Housing material      | ABS + PC / TPE                                                                                   |

### 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



### Accessories

| Accessories                                                                                              | Order no.   |
|----------------------------------------------------------------------------------------------------------|-------------|
| testo Bluetooth® printer, incl. 1 roll of thermal paper, rech. battery and power supply                  | 0554 0621   |
| Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years | 0554 0568   |
| NIST Temperature Certificate pick 3 standard points between -20, +10, +25 and +40°C                      | 400520 1901 |
| NIST Temperature Certificate pick 3 custom points between -20 and/or from +5 to +70°C                    | 400520 1902 |
| NIST Velocity Calibration: 3 Standard Points                                                             | 400520 4401 |
| NIST Velocity Calibration: 3 Custom Points                                                               | 400520 4402 |