

# Thermal anemometer

## testo 425 – With fixed flow velocity probe

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Measurement of flow velocity, volume flow and temperature

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Point and timed mean value calculation

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Max./min. values

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Hold button for freezing measurement value

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Display illumination

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Auto-off function

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TopSafe, protection of the instrument from dirt and impact  
(optional)

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testo 425 is a compact anemometer with a fixed thermal flow velocity probe. The probe head has a diameter of 7.5 mm. With the extendable telescope (length max. 820 mm), the measuring instrument is suitable for flow velocity measurement in ducts. The testo 425 also measures extremely accurately in the low flow velocity range. The volume flow is directly shown in the display. For the purposes of volume flow calculation, the duct area can be

easily entered into the testo 425. In addition to this, the instrument can be switched over to display the current temperature. Timed and point mean value calculation provide information on the average volume flow, flow velocity and temperature measurement value. The Hold function allows the current measurement value to be frozen in the display, min./max. values are also displayed at the press of a button.

## Technical data / Accessories

### testo 425

testo 425 compact thermal anemometer with fixed velocity probe incl. temperature measurement and telescope (max. 820 mm), battery and calibration protocol

Part no. 0560 4251



### General technical data

|                       |                        |
|-----------------------|------------------------|
| Operating temperature | -20 to +50 °C          |
| Storage temperature   | -40 to +85 °C          |
| Battery type          | 9V block battery, 6F22 |
| Battery life          | 20 h                   |
| Dimensions            | 182 x 64 x 40 mm       |
| Weight                | 285 g                  |
| Housing material      | ABS                    |
| Warranty              | 2 years                |

### Sensor types

|                      | Thermal                 | NTC                                                |
|----------------------|-------------------------|----------------------------------------------------|
| Measuring range      | 0 to +20 m/s            | -20 to +70 °C                                      |
| Accuracy<br>±1 digit | ±(0.03 m/s +5% of m.v.) | ±0.5 °C (0 to +60 °C)<br>±0.7 °C (remaining range) |
| Resolution           | 0.01 m/s                | 0.1 °C                                             |

### Accessories

### Part no.

|                                                                                                                     |           |  |
|---------------------------------------------------------------------------------------------------------------------|-----------|--|
| Case for measuring instrument and probes                                                                            | 0516 0210 |  |
| TopSafe, protects from impact and dirt                                                                              | 0516 0221 |  |
| Transport case for meas. instr. and probes (405 x 170 x 85 mm)                                                      | 0516 0201 |  |
| Recharger for 9V rechargeable battery, for external recharging of 0515 0025 battery                                 | 0554 0025 |  |
| 9V rech. battery for instrument, instead of battery                                                                 | 0515 0025 |  |
| ISO calibration certificate velocity<br>hot wire, vane anemometer, Pitot tube; calibration points 1; 2; 5; 10 m/s   | 0520 0004 |  |
| ISO calibration certificate velocity<br>hot wire, vane anemometer, Pitot tube; calibration points 5; 10; 15; 20 m/s | 0520 0034 |  |
| ISO calibration certificate velocity<br>hot wire, vane anemometer; calibration points 0.3; 0.5; 0.8; 1.5 m/s        | 0520 0024 |  |