

The intuitive measurement menus: suitable for any application.

Measurement menu

Volume flow measurement

Automatic calculation of volume flow in ducts and at outlets simply by inputting the duct parameters and measuring the flow velocity.



Required measuring instruments and probes

Air velocity & IAQ measuring instrument
testo 440/testo 440 dP (0560 4401/0560 4402)
plus:

- Either: Hot wire probe (0635 151, 0635 1572 or 0635 1032)
- Or: Vane probe (0635 9571, 0635 9572 or 0635 9532)

Funnel volume flow measurement

Simplified volume flow measurement at the air outlet with a Testo measurement funnel.



Air velocity & IAQ measuring instrument
testo 440/testo 440 dP (0560 4401/0560 4402)
plus:

- Either: 100 mm vane (0635 9371, 0635 9372, 0635 9431 or 0635 9432) with testovent 417 funnel set (0563 4170)
- Or: testovent 410/415 (0554 0410/0554 0415) with hot wire probe (0635 151, 0635 1572 or 0635 1032) or 16 mm vane (0635 9571, 0635 9572 or 0635 9532)

K-factor volume flow measurement

Calculation of volume flow using K-factor and differential pressure measurement.



Air velocity & IAQ measuring instrument incl.
differential pressure testo 440 dP (0563 4402)

- Or: Differential pressure measuring instrument
testo 510i (0560 1510)

Pitot tube volume flow measurement

Calculation of volume flow using measurement of differential pressure and Pitot tube factor. Recommended in the case of high flow velocities or heavily contaminated flow.



Air velocity & IAQ measuring instrument incl.
differential pressure testo 440 dP (0563 4402)
plus:

- Any Testo Pitot tube
- Or: Differential pressure measuring instrument
testo 510i (0560 1510) with any Testo Pitot tube

Measurement menu

Heating/cooling load

Determination of the enthalpy of the ventilation system via parallel measurement of the humidity and temperature of incoming/outgoing air.



Required measuring instruments and probes

Air velocity & IAQ measuring instrument
testo 440/testo 440 dP (0560 4401/0560 4402)
plus:

- 2 humidity probes (1 x with cable (0636 9732 or 0636 9772) and 1 x with Bluetooth (0636 9731 or 0636 9771))

Mould indication

Comparison of the surface temperature with the dew point and indication of the risk of mould according to the traffic light system (red: extremely high risk of mould, yellow: risk of mould; green: no risk of mould).



Air velocity & IAQ measuring instrument
testo 440/testo 440 dP (0560 4401/0560 4402)
plus:

- Either: Humidity/temperature probe (0636 9732) and infrared thermometer testo 805i (0560 1805)
- Or: Humidity/temperature probe (0636 9731 or 0560 1605) and NTC/TC probe (0602 0393 or 0602 1993)

Degree of turbulence measurement

Assessment of the comfort level based on the determination of the turbulence and the draught rate as per EN ISO 7730/ASHREA 55. The draught rate indicates how many people are dissatisfied with the draught/air movement in the room.



Air velocity & IAQ measuring instrument
testo 440/testo 440 dP (0560 4401/0560 4402)
plus:

- Turbulence probe (0628 0152)

Logging mode measurement

Simply input the measurement period and measuring interval, and the measuring value curves for the required parameters are recorded.



Air velocity & IAQ measuring instrument
testo 440/testo 440 dP (0560 4401/0560 4402)
plus:

- Any testo 440 probe