

Intuitive air velocity and IAQ.



The new testo 440 air velocity & IAQ measuring instrument: versatility in a compact design.



Intuitive: clearly structured measurement menus for the most important applications.

Clear overview: parallel display of 3 measuring values; configuration and results at a glance.

Wireless: Bluetooth® probes for more convenience and less cable clutter.

Reliable and secure: internal memory for up to 7500 measurement protocols, USB interface for data export, optional printout of measuring values.

Space-saving: a universal handle for all probes.

The testo 440 air velocity & IAQ measuring instrument is available in two versions.

The testo 440 dP version also has an integrated differential pressure sensor. This makes measurements at filters as well as Pitot tube and K-factor measurements possible.

testo 440
Air velocity & IAQ measuring instrument

Order no. 0560 4401

testo 440 dP
Air velocity & IAQ measuring instrument including differential pressure

Order no. 0560 4402

Air velocity in ducts.

Designation



Vane probe (Ø 16 mm)



Vane probe (Ø 16 mm) including temperature sensor



Hot wire probe including temperature sensor



Hot wire probe including temperature and humidity sensor



Fume cupboard probe

Measuring range

0.6 to 50 m/s

0.6 to 50 m/s
-10 to +70 °C

0 to 30 m/s
-20 to +70 °C

0 to 50 m/s
-20 to +70 °C
5 to +95% RH

0 to 5 m/s
0 to +50 °C

Accuracy

±(0.2 m/s + 1% of m.v.) (0.6 to 40 m/s)
±(0.2 m/s + 2% of m.v.) (40.1 to 50 m/s)

±(0.2 m/s + 1% of m.v.) (0.6 to 40 m/s)
±(0.2 m/s + 2% of m.v.) (40.1 to 50 m/s)
±1.8 °C

±(0.03 m/s + 4% of m.v.) (0 to 20 m/s)
±(0.5 m/s + 5% of m.v.) (20.01 to 30 m/s)
±0.5 °C

±(0.03 + 4% of m.v.) (0 to 20 m/s)
±(0.5 m/s + 5% of m.v.) (20.01 to 30 m/s)
±0.8 °C (-20 to 0 °C)
±0.5 °C (0 to +70 °C)
±3.0% RH (10 to 35% RH)
±2.0% RH (35 to 65% RH)
±3.0% RH (65 to 90% RH)
±5% RH (remaining meas. range)

±(0.02 m/s + 5% of m.v.) (0 to 5 m/s)
±0.5 °C

Telescope

0.85 m

1 m,
opt. up to 2 m (order no. 0554 0990)

0.85 m

1 m, bendable,
opt. up to 2 m (order no. 0554 0990)

Order no. for probes with Bluetooth or cable handle

0635 9532

0635 9571
0635 9572

0635 1032

0635 1571
0635 1572

0635 1052



Air velocity at outlets.

Designation



Vane probe (Ø 100 mm) including temperature sensor



High-precision vane probe (Ø 100 mm) including temperature sensor

Measuring range

0.3 to 35 m/s
-20 to +70 °C

0.1 to 15 m/s
-20 to +70 °C

Accuracy

±(0.1 m/s + 1.5% of m.v.) (0.3 to 20 m/s)
±(0.2 m/s + 1.5% of m.v.) (20.01 to 35 m/s)
±0.5 °C

±(0.1 m/s + 1.5% of m.v.) (0.1 to 15 m/s)
±0.5 °C

Telescope

opt., 1 m with 90° angle
(order no. 0554 0960)

opt., 1 m with 90° angle
(order no. 0554 0960)

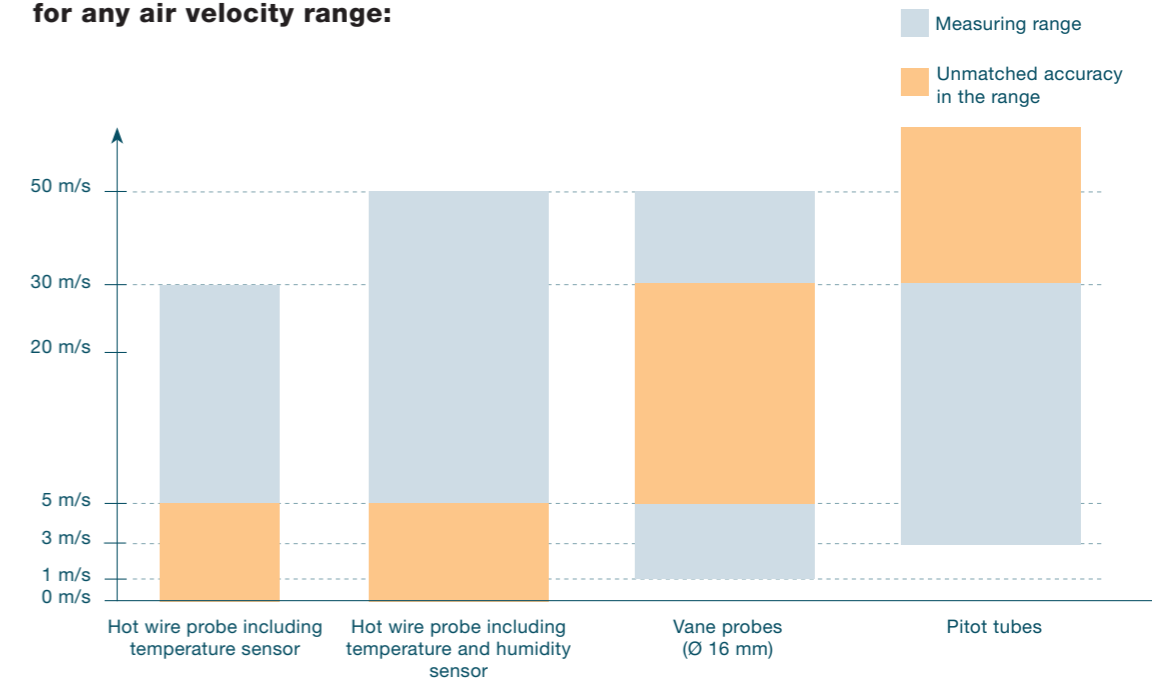
Order no. for probes with Bluetooth or cable handle

0635 9431
0635 9432

0635 9371
0635 9372



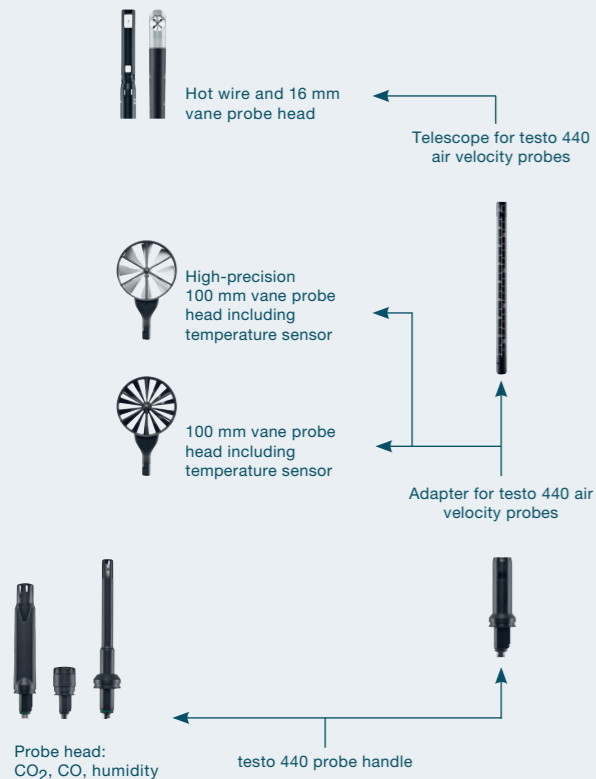
The testo 440 features unmatched accuracy for any air velocity range:



Intuitive air velocity and IAQ.



The testo 440 probe system:
you'll never want to work any other way again.



A testo 440 handle can be connected directly to a probe head or the adapter for telescope and probe heads easily and reliably in just a few seconds.

Intelligent calibration concept: only the probes need to be calibrated. Handles and measuring instrument still work and can continue to be used for measurements with a different probe.

Comfort level measurement

Designation

Measuring range

Accuracy

Order no. for probes with Bluetooth or cable handle

CO₂ probe
including temperature and humidity sensor

0 to 10,000 ppm CO₂
5 to +95% RH
-0 to +50 °C

±(50 ppm + 3% of m.v.) (0 to 5,000 ppm)
±(100 ppm + 5% of m.v.) (5,001 to 10,000 ppm)
±3% RH (10 to 35% RH)
±2% RH (35 to 65% RH)
±3% RH (65 to 90% RH)
±5% RH (remaining meas. range)
±0.5 °C

0632 1551
0632 1552

Humidity/temperature probe

0 to 100% RH
-20 to +70 °C

±2% RH (5 to 90% RH)
±3% RH (remaining meas. range)
±0.5 °C

0636 9731
0636 9732

High-precision humidity/temperature probe

0 to 100% RH
-20 to +70 °C

±(0.6% RH + 0.7% of m.v.) (0 to 90% RH)
±(1.0% RH + 0.7% of m.v.) (90 to 100% RH)
±0.3 °C (15 to 30 °C)
±0.5 °C (remaining meas. range)

0636 9771
0636 9772

Turbulence probe

0 to +5 m/s
0 to +50 °C

±(0.03 m/s + 4% of m.v.) (0 to 5 m/s)
±0.5 °C

0628 0152

Lux probe

0 to 100,000 lux

Class C according to DIN 5032-7
f1 = 6% = V-Lambda
f2 = 6% cos

0635 0551



Special applications

Designation

Measuring range

Accuracy

Order no. for probes with Bluetooth or cable handle

CO probe

0 to 500 ppm

±3 ppm (0 to 30 ppm)
±10% of m.v. (30.1 to 500 ppm)

0632 1271
0632 1272

Robust humidity/temperature probe

0 to 100% RH
-20 to +180 °C

±3% RH (0 to 2% RH)
±2% RH (2.1 to 98% RH)
±3% RH (98.1 to 100% RH)
±0.5 °C (-20 to 0 °C)
±0.4 °C (0.1 to +50 °C)
±0.5 °C (+50.1 to +180 °C)

0636 9775



Air velocity measurement in ducts



All testo 440 air velocity probes for measurements in ducts have a scaled, extendable telescope (optionally extendable from 1 to 2 m).

Air velocity measurement at outlets



The 100 mm vane probe can be easily combined with the 90° angle and telescope, making measurements at ceiling outlets easier.