Be sure. testo

Intuitive air velocity and IAQ.

The new testo 440 combines versatility and maximum convenience.

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

Welcome to a new era: the new testo 440 combines the benefits of a compact handheld device with intuitive measurement menus and a comprehensive selection of air velocity & IAQ probes. This means you have all measuring tasks on air conditioning and ventilation systems reliably under control.

Intuitive:
clearly structured measurement menus for volume flow, K-factor, degree of turbulence, heating/cooling output, mould indication and long-term measurement.

Wireless:
Bluetooth® probes for greater measuring convenience and a reduced tangle of cables in the measurement case.

Space-saving:
a universal handle for all probes – more applications, less equipment.

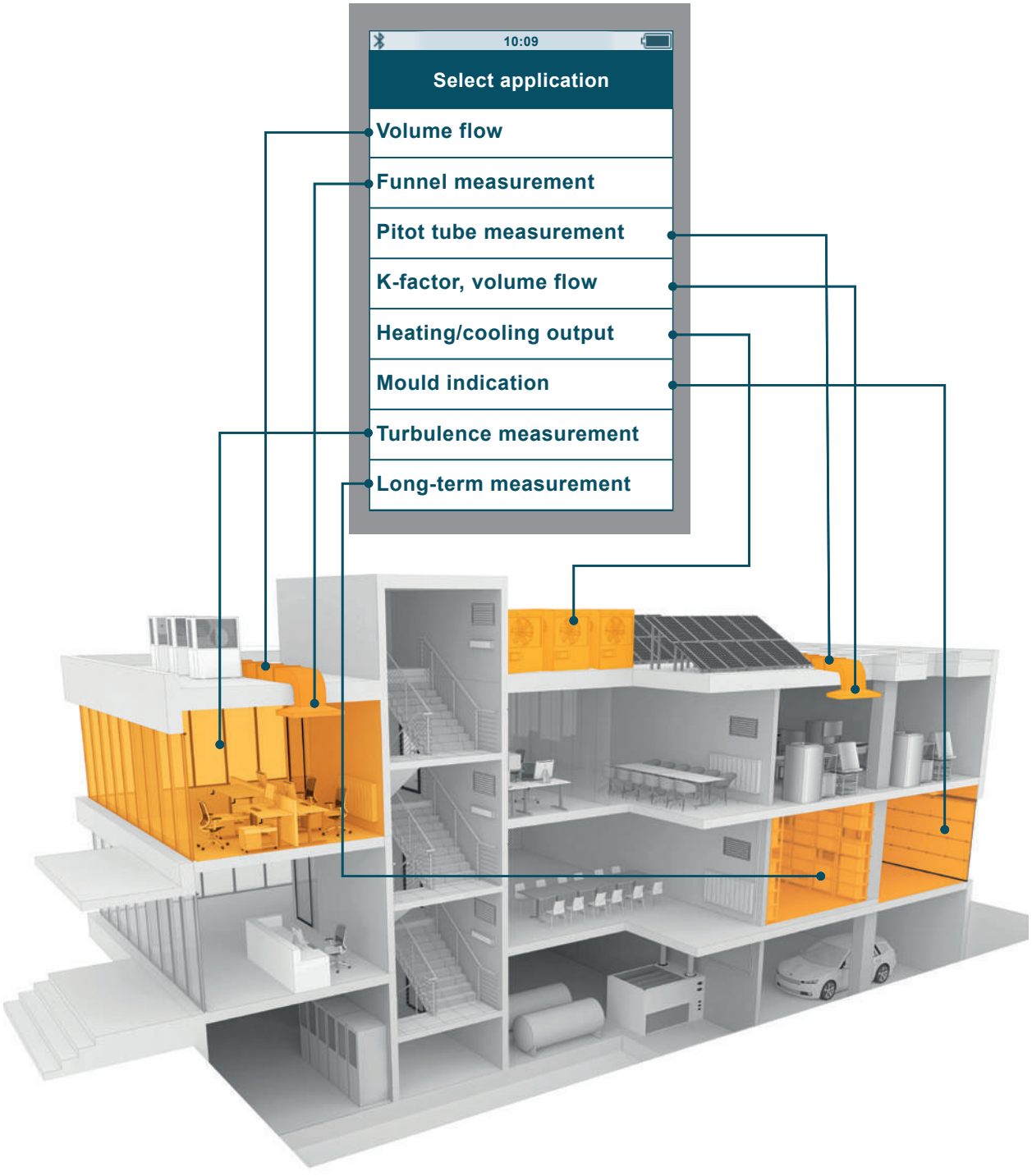
Clear overview:
all the essentials combined in a single handheld measuring instrument.
Parallel display of 3 measuring values; configuration and results at a glance.

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

The testo 440 air velocity & IAQ measuring instrument is available in two versions.
The testo 440 dP model version also has an integrated differential pressure sensor. This makes measurements at filters as well as Pitot tube and K-factor measurements possible.

The intuitive measurement menus: suitable for any application.

Based on our many years of experience in the development of cutting-edge measuring technology, we know precisely what you need to carry out your routine work. Which is why measurement menus for the essential air conditioning and ventilation applications are already pre-stored in the testo 440. These menus enable you to accomplish the relevant measuring task more quickly, more efficiently and more reliably.



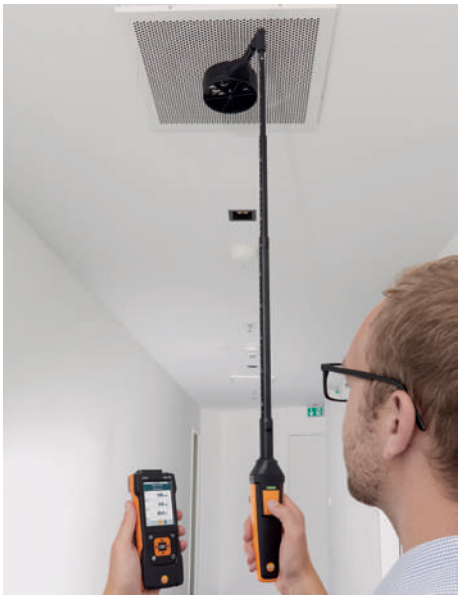
The testo 440 probe system:
you'll never want to work any other way again.

Completely versatile: a universal handle for all air velocity & IAQ probes. This saves space and reduces the weight, enabling you to perform accurate measurements in any application. With the testo 440, you have all air conditioning and ventilation measurements systematically under control.

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

The testo 440 probe system: in ducts, at outlets, in rooms, at filters or with Pitot tubes.

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



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

For measuring the volume flow in the case of high flow velocities or heavily contaminated flow, we recommend the testo 440 dP and a Pitot tube.

Do you need to carry out measurements in places where Bluetooth isn't possible? No problem: simply switch the probe head over from Bluetooth to the cable handle and you're ready.

With the testo 440 dP model, incl. differential pressure sensor, you can ensure that the filters in air conditioning systems are working properly and no contamination in the outdoor air gets into the indoor air.

Your measuring application, our solution: the right probe for every application.

Whatever air conditioning, ventilation or comfort level parameters you want to measure, our comprehensive range of air velocity & IAQ probes provides you with precise and reliable support with your tasks, enabling you to master any measuring challenge.

Air velocity measurement in ducts	
	**Hot wire probe** incl. temperature and humidity sensor Bluetooth/fixed cable
	**Vane probe** (Ø 16 mm) incl. temperature sensor Bluetooth/fixed cable
	**Hot wire probe** incl. temperature sensor fixed cable
	**Vane probe** (Ø 16 mm) fixed cable

Air velocity measurement at outlets	
	**High-precision vane probe** (Ø 100 mm) incl. temperature sensor Bluetooth/fixed cable
	**Vane probe** (Ø 100 mm) incl. temperature sensor Bluetooth/fixed cable

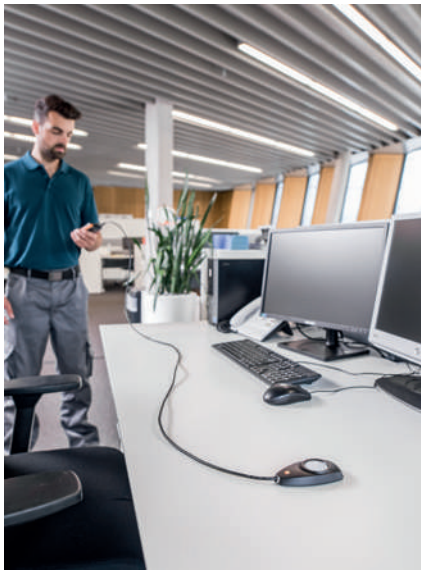
Heating	
	**CO probe** Bluetooth/fixed cable

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	
	**CO_2 probe** incl. temperature and humidity sensor Bluetooth/fixed cable
	**Turbulence probe** fixed cable
	**Humidity/temperature probe** Bluetooth/fixed cable
	**Lux probe** fixed cable
	**CO probe** Bluetooth/fixed cable

Lab and cleanroom	
	**High-precision vane probe** (Ø 100 mm) incl. temperature sensor Bluetooth/fixed cable
	**High-precision humidity/temperature probe** Bluetooth/fixed cable
	**Hot wire probe** incl. temperature and humidity sensor Bluetooth/fixed cable
	**Fume hood probe** fixed cable

Industrial processes (drying)	
	**Robust humidity/temperature probe** for temperatures up to +180 °C fixed cable



Measurement in ducts:
precision in any cross-section.

In order for air conditioning and ventilation systems to run smoothly and efficiently, the flow velocity in the ventilation duct must be regularly checked. Indoor air quality also depends on whether the air flow velocities in the duct correspond to the sizing. You can rely on testo 440 kits for measurements in ducts.

testo 440
Hot Wire Kit

Comprising:
- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ Hot wire probe incl. temperature sensor, fixed cable (1.8 m) with telescope (0.85 m)
- ✓ Measurement menu, e.g. for determining the volume flow and timed and multi-point mean calculation
- ✓ Basic case for testo 440 and 1 probe

Order no. 0563 4400

testo 440
16 mm Vane Kit

Comprising:
- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ Vane probe, fixed cable (1.8 m) with telescope (0.85 m)
- ✓ Measurement menu, e.g. for determining the volume flow and timed and multi-point mean calculation
- ✓ Basic case for testo 440 and 1 probe

Order no. 0563 4401

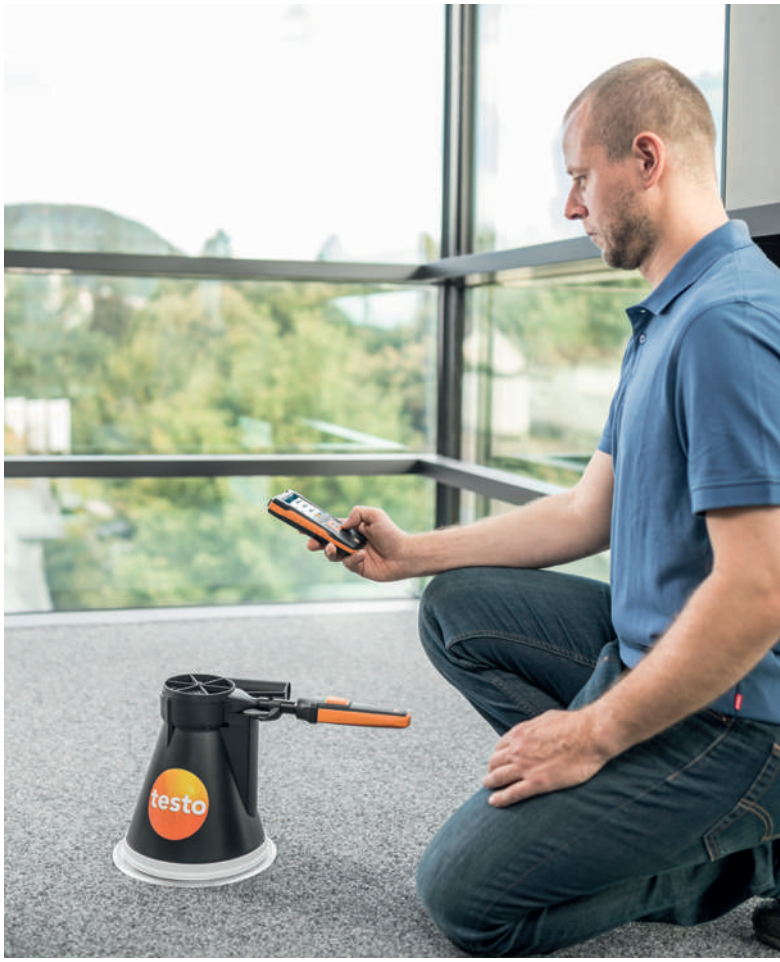
Measurement at outlets:
the optimum climate in no time at all.

For good indoor air quality, the incoming/outgoing air volume flows must be optimally adjusted. The 100 mm vane kit for the testo 440 now makes this task even simpler. With the optional funnel set or telescope, you can perform measurements at outgoing air or ceiling outlets conveniently and safely. Our flow straightener helps you perform accurate measurement of turbulent flows.

testo 440
100 mm Vane Kit with BT

Comprising:
- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ 100 mm vane probe with Bluetooth, incl. temperature sensor
- ✓ Measurement menu, e.g. for determining the volume flow
- ✓ Basic case for testo 440 and 1 probe

Order no. 0563 4403



Optional accessories		Order no.	
	testovent 417 Funnel set	0563 4170	
	testovent 417 volume flow straightener	0554 4172	

Optional accessories		Order no.	
	Extendible telescope for testo 440 air velocity probes (37.5 to 100 cm incl. 90° angle)	0554 0960	
	testo 605i thermohygrometer with smartphone operation	0560 1605	

Measurement in ducts and at outlets:
all air velocity & IAQ parameters at a glance.

Ventilation ducts, plate outlets or ceiling outlets:
with the testo 440 ComboKits you can always perform
precise and reliable measurements in ducts and at outlets.

testo 440
Air Flow ComboKit 1 with BT

Comprising:
- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ 100 mm vane probe with Bluetooth, incl. temperature sensor
- ✓ Hot wire probe with telescope (0.85 m) incl. temperature sensor, fixed cable (1.8 m)
- ✓ Measurement menu, e.g. for determining the volume flow
- ✓ Combi case for testo 440 and multiple probes

Order no. 0563 4406

testo 440
Air Flow ComboKit 2 with BT

Comprising:
- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ 100 mm vane probe with Bluetooth, incl. temperature sensor
- ✓ 16 mm vane probe with telescope (0.85 m), fixed cable (1.8 m)
- ✓ Measurement menu, e.g. for determining the volume flow
- ✓ Combi case for testo 440 and multiple probes

Order no. 0563 4407

Measurement in ducts, at outlets and at filters: as versatile as your challenges.

With the testo 440 dP model version (incl. differential pressure sensor), even measurements at filters, as well as Pitot tube and K-factor measurements, can be carried out without any problems.

testo 440 delta P
Air Flow ComboKit 1 with BT

Comprising:
- ✓ testo 440 dP air velocity & IAQ measuring instrument incl. differential pressure with internal memory and data export function
- ✓ Universal probe handle with Bluetooth
- ✓ Hot wire probe head incl. temperature and humidity sensor
- ✓ 100 mm vane probe head incl. temperature sensor
- ✓ Telescope (1 m) and 90° angle to fit both probes
- ✓ Combi case for testo 440 dP and multiple probes

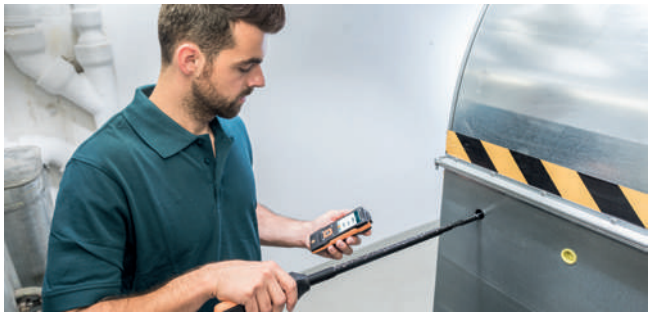
Order no. 0563 4409

testo 440 delta P
Air Flow ComboKit 2 with BT

Comprising:
- ✓ testo 440 dP air velocity & IAQ measuring instrument incl. differential pressure with internal memory and data export function
- ✓ Universal probe handle with Bluetooth
- ✓ 16 mm vane probe head
- ✓ 100 mm vane probe head incl. temperature sensor
- ✓ Humidity probe head incl. temperature sensor
- ✓ Telescope (1 m) and 90° angle for both probes
- ✓ Combi case for testo 440 dP and multiple probes

Order no. 0563 4410

Optional accessories		Order no.	
	Telescope extension (0.9 m) for testo 440 air velocity probes	0554 0990	
	Stainless steel Pitot tube (length 500 mm, Ø 7 mm)	0635 2045	
	CO probe head	0632 1270	



Measuring comfort level/indoor air quality: no task is too challenging.

Measurement of indoor air quality and comfort levels in workplaces enables precise adjustment of the indoor climate and reduces the risk of staff shortages due to illness.

These special testo 440 kits measure all relevant parameters: CO_2 content of the air, degree of turbulence, temperature, humidity and illuminance.

testo 440
Indoor Comfort ComboKit with BT

Comprising:
- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ Turbulence probe (400 mm)
- ✓ CO_2 probe with Bluetooth, incl. temperature and humidity sensor
- ✓ Combi case for testo 440 and multiple probes

Order no. 0563 4408

testo 440
CO_2 Kit with BT

- ✓ testo 440 air velocity & IAQ measuring instrument
- ✓ CO_2 probe with Bluetooth, incl. temperature and humidity sensor
- ✓ Basic case for testo 440 and 1 probe

Order no. 0563 4405

testo 440
Humidity Kit with BT

- ✓ testo 440 air velocity & IAQ measuring instrument
- ✓ Humidity and temperature probe with Bluetooth
- ✓ Basic case for testo 440 and 1 probe

Order no. 0563 4404

testo 440
Lux Kit

- ✓ testo 440 air velocity & IAQ measuring instrument
- ✓ Lux probe
- ✓ Basic case for testo 440 and 1 probe

Order no. 0563 4402

No application too specialised: high-precision probes.

The perfect testo 440 probes are available even for control measurements of critical processes that call for the highest level of precision and robust equipment.

Ideal for industrial environments where high temperatures are common, and for labs where it is crucial to record even the smallest values with a high degree of accuracy.

CO probe

High-precision probe for measuring the CO concentration indoors (e.g. boiler rooms).

with Bluetooth
Order no. 0632 1271

fixed cable
Order no. 0632 1272

High-precision vane probe

High-precision vane, Ø 100 mm, incl. temperature sensor with low start-up speed (1 m/s) for flow velocity and temperature. Ideal for laminar flow measurements.

with Bluetooth
Order no. 0635 9371

fixed cable
Order no. 0635 9372

High-precision humidity/ temperature probe

High-precision probe with fast response time for measuring humidity in critical processes. Accuracy: ±(0.6% RH + 0.7% of m.v.) in the range between 0 and 90% RH.

with Bluetooth
Order no. 0636 9771

fixed cable
Order no. 0636 9772

Fume hood probe

High-precision probe for measuring flow velocity and volume flow in fume hoods as per DIN EN 14175-3/4.

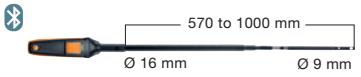
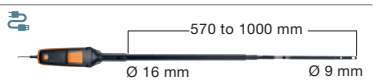
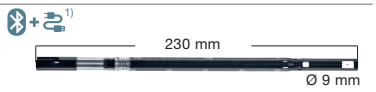
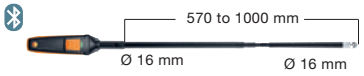
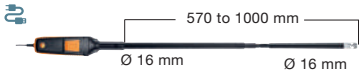
fixed cable
Order no. 0635 1052

Robust humidity/temperature probe

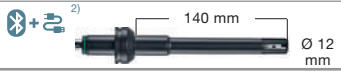
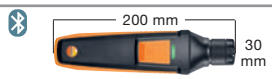
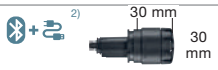
Measures humidity in tough environmental conditions up to +180 °C. Application in industrial outgoing air, bulk materials and climate cabinets.

fixed cable
Order no. 0636 9775

Overview of order details:
digital probes.

Probe type		Measuring range	Accuracy	Resolution	
Digital air velocity probes					
Hot wire probe with Bluetooth, incl. temperature and humidity sensor		0 to 50 m/s -20 to +70 °C 5 to +95% RH	±(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) ±0.5 °C (0 to +70 °C) ±0.8 °C (-20 to 0 °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)	0.01 m/s 0.1 °C 0.1% RH	0635 1571
Hot wire probe, fixed cable, incl. temperature and humidity sensor					0635 1572
Hot wire probe head, incl. temperature and humidity sensor					0635 1570
Vane probe (Ø 16 mm) with Bluetooth, incl. temperature sensor					0635 9571
Vane probe (Ø 16 mm), fixed cable , incl. temperature sensor		0.6 to 50 m/s -10 to +70 °C	±(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	0.1 m/s 0.1 °C	0635 9572
Vane probe head (Ø 16 mm), incl. temperature sensor					0635 9570
Hot wire probe, fixed cable, incl. temperature sensor		0 to 30 m/s -20 to +70 °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	0.01 m/s 0.1 °C	0635 1032
Vane probe (Ø 16 mm) fixed cable		0.6 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)	0.1 m/s	0635 9532
Fume hood probe, fixed cable		0 to 5 m/s 0 to +50 °C	±(0.02 m/s + 5% of m.v.) (0 to 5 m/s) ±0.5 °C	0.01 m/s 0.1 °C	0635 1052
To measure flows in ducts with a large cross-section, we recommend an extension set (0554 0990). This enables the telescope to be extended to up to 2 m for all air velocity probes with an interchangeable handle.					
High-precision vane probe (Ø 100 mm) with Bluetooth, including temperature sensor					0635 9371
High-precision vane probe (Ø 100 mm), fixed cable, incl. temperature sensor		0.1 to 15 m/s -20 to +70 °C	±(0.1 m/s + 1.5% of m.v.) (0.1 to 15 m/s) ±0.5 °C	0.01 m/s 0.1 °C	0635 9372
High-precision vane probe head (Ø 100 mm), incl. temperature sensor					0635 9370
Vane probe (Ø 100 mm) with Bluetooth, incl. temperature sensor					0635 9431
Vane probe (Ø 100 mm) , fixed cable, incl. temperature sensor		0.3 to 35 m/s -20 to +70 °C	±(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	0.01 m/s 0.1 °C	0635 9432
Vane probe head (Ø 100 mm), incl. temperature sensor					0635 9430
For convenient ceiling measurements, the telescope with 90° angle (0550 0960) has been developed. It can simply be fitted to the 100 mm vane probes.					

[1] For use with cable handle (order no. 0554 2222) or Bluetooth handle (order no. 0554 1111) in conjunction with an adapter (order no. 0554 2160).

Probe type		Measuring range	Accuracy	Resolution	
Digital humidity probes					
Humidity/temperature probe with Bluetooth		0 to 100% RH -20 to +70 °C	±2% RH (5 to 90% RH) ±0.5 °C	0.1% RH 0.1 °C	0636 9731
Humidity/temperature probe, fixed cable					0636 9732
Humidity/temperature probe head					0636 9730
High-precision humidity/temperature probe with Bluetooth		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)	0.01% RH 0.1 °C	0636 9771
High-precision humidity/temperature probe, fixed cable					0636 9772
High-precision humidity/temperature probe head					0636 9770
Robust humidity/temperature probe for temperatures up to +180 °C, fixed cable		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)	0.1% RH 0.1 °C	0636 9775
Digital comfort probes					
Turbulence probe, fixed cable		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	0.01 m/s 0.1 °C	0628 0152
Lux probe, fixed cable		0 to 100,000 lux	Class C According to DIN 5032-7 f1 = 6% = V-Lambda f2 = 6% cos	0.1 lux (< 10,000 lux) 1 lux (≥ 10,000 lux)	0635 0551
CO_2 probe with Bluetooth, incl. temperature and humidity sensor		0 to 10,000 ppm CO_2 5 to +95% RH -0 to +50 °C	±(50 ppm + 3% of m.v.) (0 to 5000 ppm) ±(100 ppm + 5% of m.v.) (5001 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	1 ppm 0.1% RH 0.1 °C	0632 1551
CO_2 probe, fixed cable, incl. temperature and humidity sensor					0632 1552
CO_2 probe head incl. temperature and humidity sensor					0632 1550
CO probe with Bluetooth		0 to 500 ppm	±3 ppm (0 to 30 ppm) ±10% of m.v. (30.1 to 500 ppm)	0.1 ppm	0632 1271
CO probe, fixed cable					0632 1272
CO probe head					0632 1270
Probe handle and adapter					
Cable handle for connecting testo 440 probe heads					0554 2222
Bluetooth handle for connecting testo 440 probe heads					0554 1111
Handle adapter for connecting testo 440 air velocity probes					0554 2160

[2] For use with cable handle (order no. 0554 2222) or Bluetooth handle (order no. 0554 1111).

Overview of order details: Kits, measuring instruments, probes and accessories.

testo 440 / testo 440 dP kits	Order no.
testo 440 Hot Wire Kit	0563 4400
testo 440 16 mm Vane Kit	0563 4401
testo 440 Lux Kit	0563 4402
testo 440 100 mm Vane Kit with BT	0563 4403
testo 440 Humidity Kit with BT	0563 4404
testo 440 CO_2 Kit with BT	0563 4405
testo 440 Air Flow ComboKit 1 with BT	0563 4406
testo 440 Air Flow ComboKit 2 with BT	0563 4407
testo 440 Indoor Comfort ComboKit with BT	0563 4408
testo 440 delta P Air Flow ComboKit 1 with BT	0563 4409
testo 440 delta P Air Flow ComboKit 2 with BT	0563 4410

testo 440 instruments	Order no.
 testo 440 Air velocity & IAQ measuring instrument	0560 4401
 testo 440 dP Air velocity & IAQ measuring instrument incl. differential pressure	0560 4402

Accessories	Order no.
 Extendible telescope for testo 440 flow probes (37.5 to 100 cm incl. 90° angle)	0554 0960
 Service case for volume flow measurement	0516 4900
 Combi case for testo 440 and multiple probes	0516 4401

Temperature probe	Order no.
Fast-reaction surface probe (TC type K)	0602 0393
 Robust air probe, TC type K, fixed cable	0602 1793
Surface probe with widened measuring tip (TC type K)	0602 1993
Temperature probe with Velcro strip (TC type K)	0628 0020
 Robust air temperature probe (NTC)	0615 1712
 Clamp probe (NTC) for measurements on pipes (Ø 6 - 35 mm)	0615 5505
 Watertight immersion/ penetration probe (NTC)	0615 1212

Further accessories and DAkkS and ISO certificates can be found on www.testo.com.au