

AIR VELOCITY & IAQ MEASURING INSTRUMENT

LEADERS IN GAS DETECTION

Testo 440

Since 1977

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:

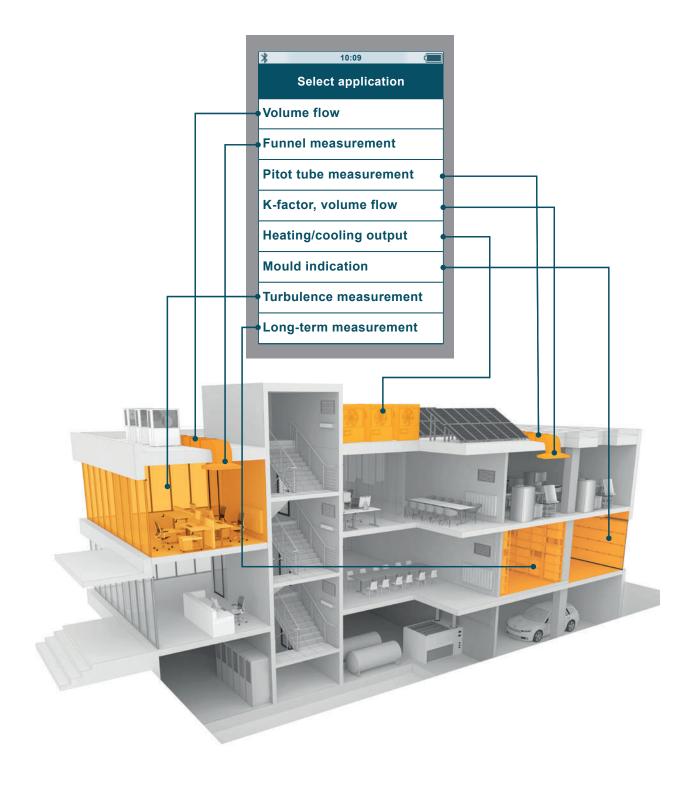
internal memory for up to 7500 measurement protocols, USB interface for data export and optional printout of measuring values. Operated with AA batteries.

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.

suitable for any application.

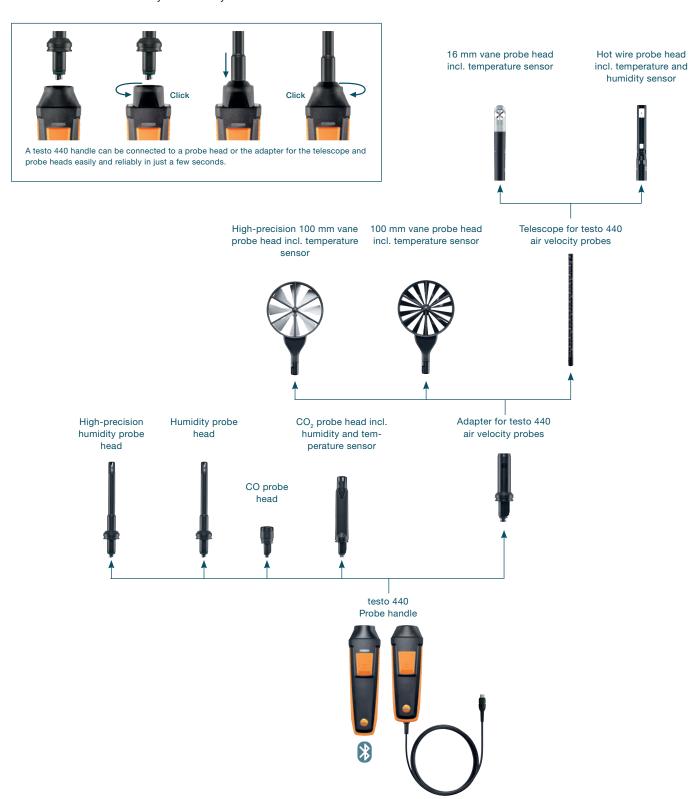
Based on our many years of experience in the development of cutting-edge measuring technology, we know precisely what you need to carry out your routine work. Which is why measurement menus for the essential air conditioning and ventilation applications are already pre-stored in the testo 440. These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



Ph: +61 (0) 7 3481 9000

you'll never want to work any other way again.

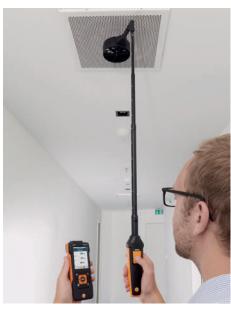
Completely versatile: a universal handle for all air velocity & IAQ probes. This saves space and reduces the weight, enabling you to perform accurate measurements in any application. With the testo 440, you have all air conditioning and ventilation measurements systematically under control.



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.



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



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.

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.

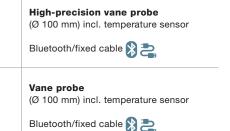


Air velocity measurement in ducts		
	Hot wire probe incl. temperature and humidity sensor Bluetooth/fixed cable	
	Vane probe (Ø 16 mm) incl. temperature sensor Bluetooth/fixed cable	
0_	Hot wire probe incl. temperature sensor fixed cable	
	Vane probe (Ø 16 mm) fixed cable	







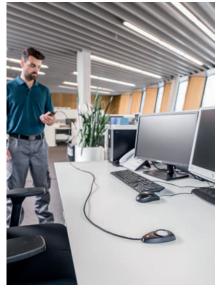


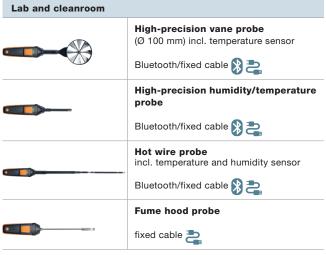


Heating	
-	CO probe
	Bluetooth/fixed cable

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.

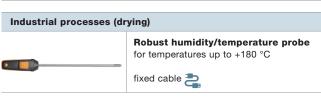
Comfort level measurement			
	CO₂ probe incl. temperature and humidity sensor		
	Bluetooth/fixed cable 🐉 🚬		
	Turbulence probe		
	fixed cable		
	Humidity/temperature probe		
	Bluetooth/fixed cable		
	Lux probe		
\bigcirc	fixed cable 🚉		
_	CO probe		
	Bluetooth/fixed cable		











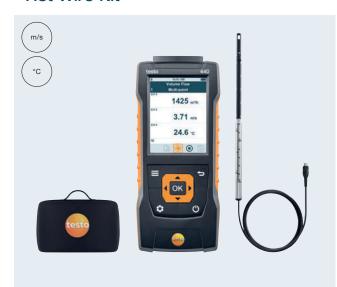


Precision in any cross-section.

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)
- \checkmark 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



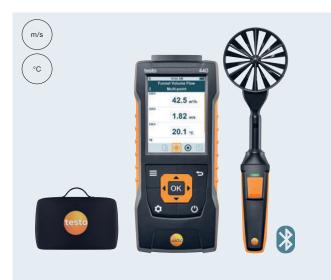


The optimum climate in no time at all.

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.

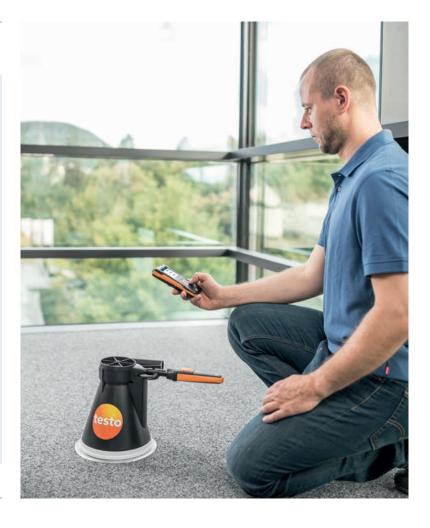
testo 440 100 mm Vane Kit with BT



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



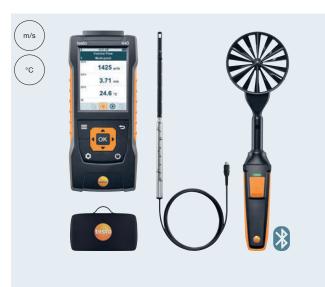
Optional accessories		Order no.	
A .	testovent 417 Funnel set	0563 4170	
	testovent 417 volume flow straightener	0554 4172	

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	

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
- \checkmark 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
- \checkmark 100 mm vane probe with Bluetooth, incl. temperature sensor
- \checkmark 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





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Auckland Wellington
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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
- $\ensuremath{\checkmark}$ 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

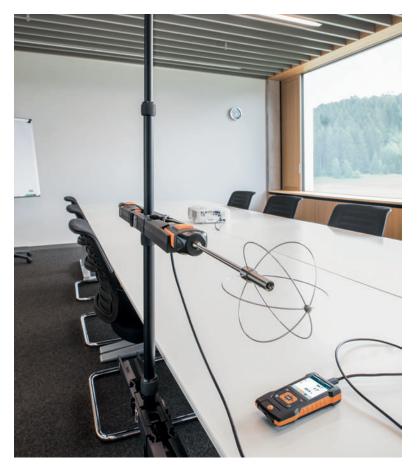
Order no. 0563 4410

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



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: CO₂ content of the air, degree of turbulence, temperature, humidity and illuminance.



testo 440 Indoor Comfort ComboKit with BT



- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ Turbulence probe (400 mm)
- ✓ CO₂ probe with Bluetooth, incl. temperature and humidity sensor
- ✓ Combi case for testo 440 and multiple probes

Order no. 0563 4408

testo 440 CO₂ Kit with BT



- ✓ testo 440 air velocity & IAQ measuring instrument
- ✓ CO₂ 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

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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.

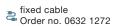
Ideal for industrial environments where high temperatures are common, and for labs where it is crucial to record even the smallest values with a high degree of accuracy.

CO probe



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



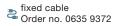


High-precision vane probe



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.



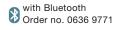


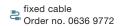
High-precision humidity/ temperature probe



High-precision probe with fast response time for measuring humidity in critical processes. Accuracy:

 $\pm (0.6\%$ RH + 0.7% of m.v.) in the range between 0 and 90% RH.

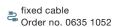




Fume hood probe



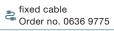
High-precision probe for measuring flow velocity and volume flow in fume hoods as per DIN EN 14175-3/4.

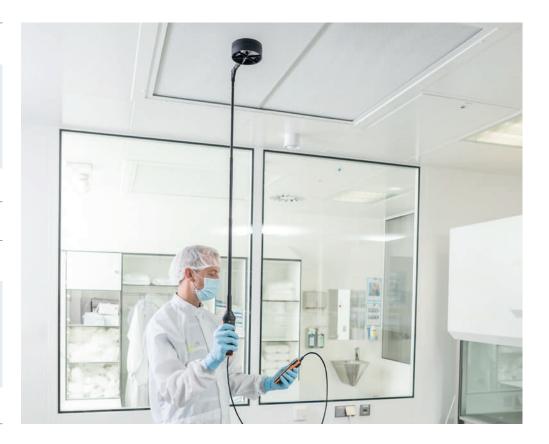


Robust humidity/temperature probe



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





Digital probes.

Probe type		Measuring range	Accuracy	Resolution	
Digital air velocity probes					
Hot wire probe with Bluetooth, incl. temperature and humidity sensor	570 to 1000 mm — Ø 16 mm Ø 9 mm]	±(0.03 + 4% of m.v.) (0 to 20 m/s) ±(0.5 m/s + 5% of m.v.)		0635 157
Hot wire probe, fixed cable, incl. emperature and humidity sensor	570 to 1000 mm ———————————————————————————————	0 to 50 m/s -20 to +70 °C 5 to +95% RH	(20.01 to 30 m/s) /s ±0.5 °C (0 to +70 °C) 0 °C ±0.8 °C (-20 to 0 °C)	0.01 m/s 0.1 °C 0.1% RH	0635 157
Hot wire probe head, incl. emperature and humidity sensor	230 mm ——————————————————————————————————				0635 157
Vane probe (Ø 16 mm) with Bluetooth, incl. temperature sensor	570 to 1000 mm — Ø 16 mm]			0635 957
Vane probe (Ø 16 mm), fixed cable , incl. temperature sensor	570 to 1000 mm — 0 16 mm	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 957
Vane probe head (Ø 16 mm), incl. temperature sensor	230 mm ——————————————————————————————————	 	11.0 0		0635 957
Hot wire probe, fixed cable, ncl. temperature sensor	300 to 850 mm	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 103
Vane probe (Ø 16 mm) fixed cable	300 to 850 mm		±(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 953
Fume hood probe, fixed cable	150 mm — Ø 10 m	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 105
	large cross-section, we recommend a		•	andle.	
High-precision vane probe (Ø 100 mm) with Bluetooth, including temperature sensor	8 0 100 mm		•		0635 937
High-precision vane probe (Ø 100 mm), fixed cable, incl. temperature sensor	0 100 mm		±(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 937
High-precision vane probe head (Ø 100 mm), incl. temperature sensor	8+210 0 100 mm	_			0635 937
/ane probe (Ø 100 mm) with Bluetooth, incl. temperature sensor	8 0 100 mm				0635 943
√ane probe (Ø 100 mm) , fixed cable, ncl. temperature sensor	0 100 mm		±(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)	0.01 m/s 0.1 °C	0635 943
Vane probe head (Ø 100 mm), incl. temperature sensor	8 +≥ ¹⁾	_	±0.5 °C		0635 943

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	*	290 mm				0636 9731
Humidity/temperature probe, fixed cable		290 mm Ø 12 mm	0 to 100% RH -20 to +70 °C	±2% RH (5 to 90% RH) ±0.5 °C	0.1% RH 0.1 °C	0636 9732
Humidity/temperature probe head	**************************************	140 mm	-			0636 9730
High-precision humidity/temperature probe with Bluetooth	8	290 mm Ø 12 mm	- 0 to 100% RH -20 to +70 °C	±(0.6% RH + 0.7% of m.v.)		0636 9771
High-precision humidity/temperature probe, fixed cable	-	290 mm Ø 12 mm		(0 to 90% RH) ±(1.0% RH + 0.7% of m.v.) H (90 to 100% RH)	0.01% RH 0.1 °C	0636 9772
High-precision humidity/temperature probe head	3+2 2	140 mm Ø 12 mm				0636 9770
Robust humidity/temperature probe for temperatures up to +180 °C, fixed cable	2	270 mm — Ø 12 mm	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	4	190 mm	0 to +5 m/s 0 to +50 °C	$\pm (0.03 \text{ m/s} + 4\% \text{ of m.v.})$ (0 to 5 m/s) $\pm 0.5 ^{\circ}\text{C}$	0.01 m/s 0.1 °C	0628 0152
Lux probe, fixed cable	110 mm	55 mm	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	20	30 mm		±(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		0632 1551
CO ₂ probe, fixed cable, incl. temperature and humidity sensor	2	30 mm	0 to 10,000 ppm CO ₂ 5 to +95% RH -0 to +50 °C		1 ppm 0.1% RH 0.1 °C	0632 1552
CO ₂ probe head incl. temperature and humidity sensor	30 m	30 mm	-			0632 1550
CO probe with Bluetooth	200 mm	30 mm				0632 1271
CO probe, fixed cable	200 mm	30 mm	0 to 500 ppm	±3 ppm (0 to 30 ppm) ±10% of m.v. (30.1 to 500 ppm)	0.1 ppm	0632 1272
CO probe head	30 mm	30 mm	-			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	9		─			0554 2160

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

Kits, measuring instruments, probes and accessories.

testo 440 / te	sto 440 dP kits	Order no.	
testo 440 Hot Wire Kit		0563 4400	
testo 440 16 mm Vane Kit	t	0563 4401	
testo 440 Lux Kit		0563 4402	
testo 440 100 mm Vane K	(it with BT	0563 4403	
testo 440 Humidity Kit wi	th 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 Air Flow Combo		0563 4410	
testo 440 instruments		Order no.	
· ·	testo 440 Air velocity & IAQ measuring instrument	0560 4401	
O	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.	
6	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	
District Control of the Control of t	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 acce	ssories and DAkkS and ISC) certificates	can

be found on www.testo.com.au

Subject to change, including technical changes.