

We measure it.



New:
Volume flow hood
testo 420

Measurement solutions for ventilation and air conditioning.

The right solution for every application.

Measurement solutions for VAC professionals.

For testing ventilation ducts and VAC systems, checking comfort and IAQ, you are best equipped with measurement technology from Testo.

Good climatic conditions in rooms and buildings are a fundamental prerequisite for human well-being, and are indispensable in private surroundings as well as at the workplace. However, the air and climate in a room are only perceived as pleasant and comfortable if certain physical, chemical and biological limit values are observed. And this applies not only to humans: In museums and archives, for example, art and cultural treasures are protected by a constant indoor climate, and in laboratories, filtered air ensures optimum research conditions. As a VAC specialist, you carry the responsibility for this.

Testo measurement technology supports you as a ventilation and air conditioning expert, facility manager, assessor or energy consultant. With measuring instruments from Testo, you quickly, efficiently and securely measure parameters such as temperature, air flow velocity, CO₂, light intensity, sound level and rpm. You can reliably calculate volume flow and dewpoint, and test VAC systems in ducts and at outlets – and with the volume flow straightener from Testo, this can now even be carried out with great precision at swirl outlets. You can produce a clear analysis of your results and test reports whenever required on site. Thanks to a wide range of accessories and specially developed software, you can customize your Testo measuring instrument individually to suit your requirements.



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Measurement in ventilation ducts

testo 405, testo 416, testo 425



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Measurement at ventilation outlets

testo 410, testo 417, testo 420



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Testing filters and fans in VAC systems

testo 510, testo 512, testo 460, testo 477



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Multi-function measuring instrument

testo 435, testo 480



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Comfort measurement

testo 435



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Climate management

testo 480



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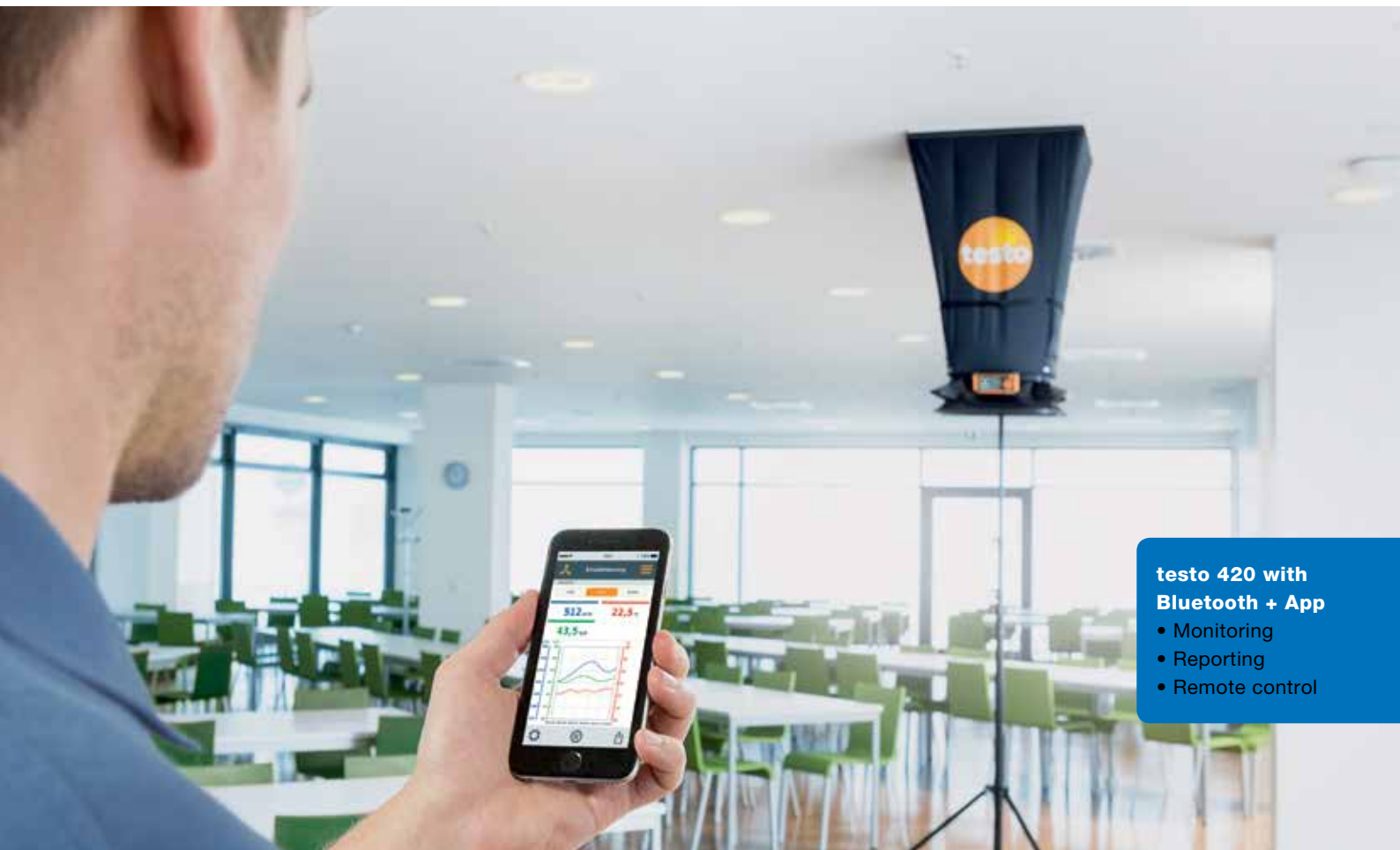
Further measuring instruments

CO₂, light, sound, temperature, humidity



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Ordering suggestions



**testo 420 with
Bluetooth + App**

- Monitoring
- Reporting
- Remote control

Convenient and exact in ventilation ducts.

The easy way to optimum measurement results – you can rely on Testo measurement technology.

Ventilation and air conditioning systems are indispensable for indoor air quality; in order for them to function smoothly and efficiently, they must be tested regularly, and if necessary readjusted. If the air flows in ventilation ducts are smaller than intended, the removal of indoor loads (hot, cold and substance loads) can under certain circumstances not be guaranteed.

Testo provides numerous measuring instruments which are especially suitable for measurement in ducts and VAC systems. The convenient thermal anemometer testo 405, for example, reliably measures temperature and flow velocity, and calculates the volume flow. It is also particularly suitable for measurements in ducts, as it has a telescope probe with a length of up to 300 mm.

The compact testo 416 and testo 425 anemometers already have a fixed probe. These anemometers have been specially designed for fast spot measurement where there are low or medium flow velocities in the ventilation duct. The volume flow in the ventilation duct is automatically calculated in the instrument, and a timed and a point mean value calculation provide information on the average volume flow, the flow velocity and the temperature measurement value in the ventilation duct.

Convenient, easy and precise measurements in ducts are no problem with Testo measurement technology. Particularly easy handling and helpful functions such as the Hold function or the mean value calculation make your work easier and support you optimally in all applications.



testo 405

Precise, pocket-sized technology – for the measurement of air flow velocity, volume flow and temperature. Especially suitable for volume flow measurements in ducts, thanks to an extendable telescope.



Meas. parameters	Air flow velocity, volume flow, temperature
Measuring range	0 to 5 m/s (-20 to 0 °C), 0 to 10 m/s (0 to +50 °C), 0 to +99999 m³/h, -20 to +50 °C
Accuracy ±1 digit	±(0.1 m/s + 5 % of m.v.) (0 to +2 m/s) ±(0.3 m/s + 5 % of m.v.) (remaining meas. range), ±0.5 °C
Resolution	0.01 m/s, 0.1 °C
Order no.	0560 4053

testo 416

Telescope vane probe up to 890 mm in length – and therefore perfect for air flow velocity measurement in ducts. The volume flow is shown directly in the display. Timed and point mean value calculation.



Meas. parameters	Air flow velocity, volume flow
Measuring range	+0.6 to +40 m/s
Accuracy ±1 digit	±(0.2 m/s + 1.5 % of m.v.)
Resolution	0.1 m/s
Other	Telescope: Length max. 890 mm, probe head: ø 16 mm
Order no.	0560 4160

testo 425

Compact and highly accurate – even in the difficult lower flow velocity range. Fixed telescopic flow velocity probe. Timed and point mean value calculation.



Meas. parameters	Air flow velocity, volume flow, temperature
Measuring range	0 to +20 m/s -20 to +70 °C
Accuracy ±1 digit	±(0.03 m/s + 5 % of m.v.) ±0.5 °C (0 to +60 °C) ±0.7 °C (remaining meas. range)
Resolution	0.01 m/s, 0.1 °C
Other	Telescope: Length max. 820 mm, probe head: ø 7.5 mm
Order no.	0560 4251

For details on all instruments go to www.testo.com

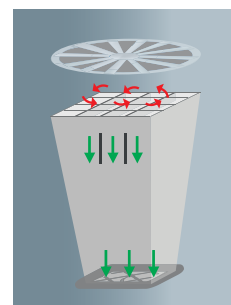
Exact measurements in air flow.

Testo measurement technology provides reliable results even at swirl diffusers.

The correct measurement of air flows and the exact calculation of the volume flow often present a challenge in everyday measurement – this applies in particular to volume flow measurement at ventilation and swirl outlets. The turbulence created here, and the differing flow directions, make a correct measurement more difficult, and falsify the measurement results.

This can be alleviated by the use of a vane anemometer from Testo, with the proven testovent funnels which bundle the outflowing air, allowing a precise measurement to be taken. Depending on the focus in your day-to-day-practice, you can decide here for example between the handy testo 410 and the professional testo 417. And the patent-pending Testo-developed flow straightener testovent 417 converts the swirl into an almost uniform flow, which can then be reliably recorded with the measuring instrument. This reduces the measurement inaccuracies at swirl outlets by up to 50 %.

The volume flow hood testo 420 sets new standards at larger swirl outlets: with a weight of only 2.9 kg and the integrated flow straightener, it facilitates the regulation of volume flows and allows maximum measurement precision. In addition to this, the ergonomic handles as well as the tilting and removable display make your daily job easier. Funnel-shaped tension rod sockets support easy and quick set-up, and the trolley included in delivery ensures safe transport. Mobile devices such as smartphones and tablets can furthermore be used as a second display and remote control via Bluetooth App integration – especially useful for the safe use of a tripod for high ceilings. After the measurement, the App additionally allows the finalization and sending of the measurement protocol directly on site.



With the flow straightener, the swirling air is pacified and reliably measurable.



Low weight

2.9 kg weight – lighter than any other flow hood. You feel the difference, particularly in frequent measurements.



Precise flow straightener

Air turbulence at swirl outlets is pacified. This allows reliable measurement of the air flow.



Efficient App integration

You use mobile devices via App as a second display or remote control. And you can create and send measurement reports directly on site.



Flexible display

The tilting display makes reading out the measurement values easier. By removing the instrument, and with the corresponding accessories, you can comfortably carry out pressure and Pitot tube measurements.



Low weight and ergonomic handles make measurement easier



Measure comfortably at high ceilings and create a report on site, with tripod and App.



testovent 417 with funnel set for various outlet sizes

testo 410-1



Ideal for spot measurements at ventilation outlets – the handy, user-friendly testo 410-1 measures air flow velocity and temperature, the testo 410-2 additionally also air humidity.



testo 417



Vane anemometer with integrated 100 mm vane. Allows timed and multi-point mean value calculation at an air outlet.

testo 417 set 2

testo 417 incl. funnel set (ø 200 mm for plate outlets and 330 x 330 mm for ventilators) and flow straightener testovent 417.



testo 420 set



Volume flow hood for fast and precise measurement at different-sized outlets. Incl. body, 610 x 610 mm flow hood, 5 x tension rods, USB cable, batteries and trolley. Other hoods available in different sizes.



Measurement parameters	Air flow velocity, temperature, air humidity (testo 410-2 only)	Air flow velocity, volume flow, temperature	Volume flow, humidity, temperature, differential pressure
Measuring range	0.4 to 20 m/s -10 to +50 °C 0 to 100%RH	0.3 to 20 m/s 0 to +99999 m³/h 0 to +50 °C	40 to 4000 m³/h 0 to 100%RH -20 to +70 °C 0 to 120 Pa
Accuracy ±1 digit	±(0.2 m/s + 2 % of m.v.) ± 0.5 °C ±2.5% RH (5 to 95% RH)	±(0.1 m/s + 1.5 % of m.v.) ± 0.5 °C	±3 % of m.v. +12 m³/h ±1.8 %RH +3 % of m.v. ±0.5 °C (0 to +70 °C) ±0.8 °C (-20 to 0 °C) ±2 % of m.v. +0.05 Pa
Resolution	0.1 m/s 0.1 °C 0.1%RH	0.01 m/s 0.1 m³/h (0 to +99.9 m³/h), 1 m³/h (+100 to +99999 m³/h) 0.1 °C	1 m³/h 0.1%RH 0.1 °C 0.001 Pa
Order no.	0560 4101	0560 4170 (testo 417) 0563 4172 (testo 417 set 2)	0563 4200

For details on all instruments go to www.testo.com

Filters in order? Fans intact?

Secure results with the differential pressure and rpm measuring instruments from Testo.

Ventilation and air conditioning systems are always in use when a constant indoor climate must be guaranteed – for instance in production buildings or laboratory cleanrooms. The VAC systems are subject to stringent hygiene regulations – and the monitoring and testing of air filters is of great significance. The instrument calculates the differential pressure by measuring upstream and downstream of the filter. This provides information on the degree of contamination of the filter.

With the differential pressure measuring instruments from Testo, you can quickly and easily determine whether a filter is dirty. The testo 510, for example, is especially small and handy, and can be stowed in your pocket after the measurement. In addition to determining differential pressure in eight different units, the testo 512 also records flow velocity, and is available with extensive accessories. And with the testo 420, which can be removed from the volume flow hood, additional Pitot tube measurements can be conducted by entering the duct geometry.

However, not only the filters, but the fans on VAC systems too, must be regularly checked. For this purpose, rpm measuring instruments are used, which reliably record the rotation and vibration motion and determine the speed of the rotor.

The rpm measuring instrument testo 460, for example, allows non-contact measurement on fans with an LED measurement spot marker. The small, convenient instrument is protected by a cap. Our powerful testo 477 LED stroboscope allows fast-moving objects to appear in slow motion and rotation speeds of up to 300,000 rpm to be determined.



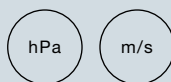
Non-contact measurements on ventilators are possible for example with the handy testo 460. The measurement spot is displayed by an LED marking on the measurement object.



You can quickly and reliably check whether a filter is dirty using the differential pressure measuring instruments from Testo, e.g. the testo 510.

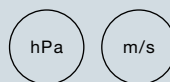
testo 510

A handy, robust and precise companion in daily measurement – testo 510 determines differential pressure in the range from 0 to 100 hPa, and, in combination with a Pitot tube (optional), the air flow velocity too.



testo 512-1

The values for pressure and flow velocity simultaneously in a large backlit display – testo 512 guarantees a clear overview. With two switchable units for flow velocity, and eight units for pressure.



Meas. parameters	Differential pressure, air flow velocity	Pressure, air flow velocity
Measuring range	0 to 100 hPa	0 to +2 hPa, +2 to +17.5 m/s, 395 to 3445 fpm
Accuracy ±1 digit	±0.03 hPa (0 to 0.30 hPa), ±0.05 hPa (0.31 to 1.00 hPa), ±(0.1 hPa + 1.5 % of m.v.) (1.01 to 100 hPa)	0.5 % of f.v.
Resolution	to 0.01 hPa	0.001 hPa, 0.1 m/s, 0.1 fpm
Other	Selectable units: hPa, mbar, Pa, mmH ₂ O, inH ₂ O, mmHg, inHg, psi, m/s, fpm	Overload: ± 10 hPa
Order no.	0560 0510	0560 5126

testo 460

Measure rpm easily with only one hand, e.g. for measurements on rotating parts such as fans and shafts. Just attach a reflection mark onto the measuring object, aim the visible red light beam and measure.



testo 477

An extremely high measuring range of up to 300,000 flashes per minute (fpm) – the LED hand stroboscope testo 477 is used when fast-moving objects need to be made to appear in slow motion.



Meas. parameters	rpm	rpm
Measuring range	100 to 29999 rpm	30 to 300000 fpm
Accuracy ±1 digit	±0.02 % of m.v.	0.02 %
Resolution	0.1 rpm (100 to 999.9 rpm) 1 rpm (1000 to 29999 rpm)	0.1 fpm (30 to 999 fpm) 1 fpm (1000 to 300000 fpm)
Other	Delivery incl. protective cap, calibration protocol and batteries	Very high light intensity of up to 1500 Lux Delivery incl. transport case, trigger signal plug
Order no.	0560 0460	0563 4770

For details on all instruments go to www.testo.com

Ventilation and air conditioning analysis – with only one instrument.

With the multi-function measuring instruments from Testo you are equipped for any measurement challenge.



Indoor climate measurement is a very varied and extensive field, and this is reflected by the range of measuring instruments available on the market. Numerous parameters such as temperature, humidity, pressure, flow velocity or CO₂ must be recorded, analyzed and documented. The professional groups which carry out measurements in the field of ventilation and air conditioning are equally varied: from heating and air conditioning experts to system constructors up to assessors or consultants.

Many measuring instruments on the market measure one, two or even three measurement parameters – however, if you wish to service ventilation and air conditioning systems or carry out extensive comfort measurements in office rooms, these instruments soon reach their limits. Especially if you are required by your customer to archive documentation of your work, you need a professional analysis instrument which can administer large quantities of data.

Multi-function measuring instruments from Testo such as the testo 480 or the testo 435 offer you just that: They have a high level of user comfort as well as efficient evaluation, processing and administration of large data quantities via PC software. Thanks to the broad selection of probes and sensors, you can extend your field of work according to the requirements, because there is hardly an indoor climate measurement which you cannot carry out with the multi-function instruments.

The testo 480 probes moreover produce a digital value which is transferred to the measuring instrument without any loss of information and absolutely error-free. The metrological intelligence is therefore in the probe itself. This means it can be calibrated without a portable instrument, which reduces downtime costs and considerably simplifies the entire calibration process.

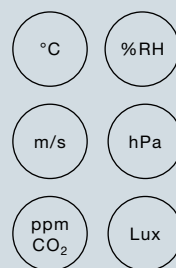
testo 435-2

The multi-function measuring instrument testo 435-2 is your reliable partner for indoor air analysis, and for regulating and testing VAC systems. Especially efficient measurement procedure, probe-dependent menus and selectable user profiles, e.g. for duct measurement or long-term measurement.



testo 480

Developed for professionals – the high-end VAC instrument testo 480 supports assessors, experts, technical service providers or service technicians in the ventilation and air conditioning field. Numerous digital probes with integrated memory available. Intelligent calibration concept.



Meas. parameters	CO ₂ , humidity, indoor air and surface temperature, absolute pressure, draught, Lux, volume flow	CO ₂ , humidity, indoor air and surface temperature, absolute pressure, draught, Lux, volume flow
Measuring range	NTC: -50 to +150 °C TC Type K: -200 to +1370 °C TC type T: -200 to +400 °C	Differential pressure: -100 to +100 hPa Absolute pressure: 700 to 1100 hPa TC Type K: -200 to +1370 °C For other parameters see probe data
Accuracy ±1 digit	NTC: ±0.2 °C (-25 to +74.9 °C) ±0.4 °C (-50 to -25.1 °C) ±0.4 °C (+75 to +99.9 °C) ±0.5 % of m.v. (remaining measuring range) TC Type K: ±0.3 °C (-60 to +60 °C) ±(0.2 °C + 0.5 % of m.v.) (remainig meas. range) TC type T: ±0.3 °C (-60 to +60 °C) ±(0.2 °C + 0.5 % of m.v.) (remaining meas. range)	Differential pressure: ± (0.3 Pa ± 1 % of m.v.) (0 to +25 hPa) ±(0.1 hPa + 1.5 % of m.v.) (+25.001 to +100 hPa) Absolute pressure: ± 3 hPa TC Type K: ±(0.3 °C + 0.1 % of m.v.)
Resolution	NTC: 0.1 °C TC Type K: 0.1 °C TC type T: 0.1 °C	Differential pressure: 0.001 hPa Absolute pressure: 0.1 hPa TC Type K: 0.1 °C
Other	Incl. measurement value store, PC software, USB data cable	Integrated, guided measurement program: VAC grid measurement acc. to DIN EN 12599, incl. PC software, USB data cable
Order no.	0563 4352	0563 4800

See the rear page for ordering suggestions.
For details on all instruments go to www.testo.com

Comfort is measurable.

The testo 435 guides you safely through all IAQ measurements – and documents the results.

Indoor Air Quality (IAQ) – this term is used to describe the quality of the air in rooms, in connection with ventilation and air conditioning systems. This quality is determined not only by parameters such as temperature, humidity and air flow velocity, but also CO₂, light intensity (Lux) and sound level (decibels). Together, they provide information on how comfortably a room – and in particular a workplace – is perceived.

The testo 435 measures these comfort-influencing parameters reliably, and tests ventilation and air conditioning systems. A broad range of probes permits almost any imaginable measurement for indoor air analysis. Thermal comfort, for example, can be measured with the optionally available globe thermometer, while the IAQ probe records CO₂, temperature and relative humidity values simultaneously. User profiles are stored in the instrument for the typical duct and IAQ measurement applications. This makes complicated programming of the testo 435 unnecessary.

In addition to classical probes with a cable, a wireless measurement over a distance of up to 20 metres (without obstruction) is possible. Up to three wireless probes can be recorded and displayed by the testo 435. Apart from this, the analysis, archiving and documentation of the measurement data is no problem using the PC software. The measurement protocols clearly present the data from duct, long-term and degree of turbulence measurements.



Large selection of probes
(optional), e.g. IAQ probe, vane and hot wire probes, differential pressure probe, wireless probes for temperature and humidity

Two connections for external probes

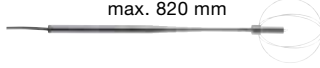
Easy operation with user profiles

Large, backlit display

PC software for analysis, archiving and documentation



Comfort measurement with the testo 435: Thanks to the large selection of probes, including the comfort probe for degree of turbulence measurement (see ill.), you can effortlessly record all parameters which determine good indoor air.

Comfort probes		Measuring range	Accuracy	Order no.
IAQ probe for the evaluation of Indoor Air Quality, CO ₂ , humidity, temperature and absolute pressure measurement, incl. desktop tripod		0 to +50 °C 0 to +100%RH 0 to +10000 ppm CO ₂ +600 to +1150 hPa	± 0.3 °C ±2 %RH (+2 to + 98 %RH) ±(75 ppm CO ₂ ± 3 % of m.v.) (0 to +5000 ppm CO ₂) ±(150 ppm CO ₂ ± 5 % of m.v.) (5001 to +10000 ppm CO ₂) ± 10 hPa	0632 1535
Comfort probe for degree of turbulence measurement with telescope (max. 820 mm) and tripod, fulfils requirements of EN 13779	 max. 820 mm	0 to +50 °C 0 to +5 m/s	± 0.3 °C ±(0.03 m/s + 4 % of m.v.)	0628 0109
Humidity/temperature probes	 ø 12 mm	-20 to +70 °C 0 to +100%RH	± 0.3 °C ±2 %RH (+2 to + 98 %RH)	0636 9735
Lux probe, for measuring light intensity		0 to 100000 Lux 0 to 300 Hz	f1 = 6 % = V(Lambda) adjustment f2 = 5 % = cos-like weighting Class C	0635 0545

Climate analysis **at the highest level.**

Measure, analyze and document – the testo 480 is your partner for all measurements.

If comfort and IAQ (Indoor Air Quality) are to be measured, simple measuring instruments soon reach their limits. Because any values which make a meaningful statement on the comfort level in a room are comprised of different parameters such as temperature, air flow velocity, air humidity and CO₂. In order not only to record these parameters, but also to analyze and document them, you require a multi-function measuring instrument which supports you optimally in your work.

Whether your job is that of an assessor, consultant, technical service provider or service technician – with the testo 480, you are optimally equipped for any measurement task in the air conditioning and ventilation field. The comprehensive range of probes and sensors make the testo 480 the basis for an entire climate measuring system. The intelligent, digital probes are also equipped with an

integrated memory, and notify the instrument when the next calibration is due. The calibration data are entered using the software, and then stored in the probe permanently. This offsets deviations automatically, thus producing a zero-error display. The possibility of calibrating the probes without a hand instrument ensures the uninterrupted use of the instrument. With the testo 480, professionals detect negative environmental influences such as draught, ensure a comfortable climate, e.g. in open-plan offices, and sustainably reduce energy costs.

testo 480 measures the index values PMV and PPD, and places them in relation to the mean values immediately after the measurement. In addition to this, the results can be displayed in a graph created according to ISO 7730. This allows the climate parameters to be evaluated immediately, and if required, correction measures can be initiated.

Digital comfort probes		Measuring range	Accuracy	Order no.
Humidity and temperature probe Ø 12 mm, highly precise humidity measurement with 1 % accuracy*		0 to 100% RH -20 to +70 °C	±(1.0 %RH + 0.7 % of m.v.) (0 to 90 %RH) ±(1.4 %RH + 0.7 % of m.v.) (90 to 100 %RH) ± 0.5 °C	0636 9743
IAQ probe for the evaluation of Indoor Air Quality, CO ₂ , humidity, temperature and absolute pressure measurement, incl. desktop tripod*		0 to +50 °C 0 to 100%RH 0 to +10000 ppm CO ₂ +700 to +1100 hPa	± 0.5 °C ±(1.8 %RH + 0.7 % of m.v.) ±(75 ppm CO ₂ ± 3 % of m.v.) (0 to +5000 ppm CO ₂) ±(150 ppm CO ₂ ± 5 % of m.v.) (5001 to +10000 ppm CO ₂) ± 3 hPa	0632 1543
Comfort probe for turbulence measurement in accordance with EN 13779*		0 to +50 °C 0 to +5 m/s +700 to +1100 hPa	± 0.5 °C ±(0.03 m/s + 4 % of m.v.) ± 3 hPa	0628 0143
Globe thermometer Ø 150 mm, TC Type K, for measuring radiant heat		0 to +120 °C	Class 1	0602 0743
Lux probe, for measuring light intensity		0 to 100000 Lux	f1 = 6 % = V(Lambda) adjustment f2 = 5 % = cos-like weighting Class C	0635 0543

*Plug-in cable required (0430 0100)



Measurement of all climate-related parameters with one instrument

Flow velocity, temperature, humidity, pressure, light intensity, degree of turbulence and CO₂ content.

Multifunctional

A wide range of probes are available for numerous climate and industrial applications.

Intelligent calibration concept

The probe notifies the instrument when calibration is required.

Zero-error display

Measuring accuracies are automatically eliminated thanks to intelligent, digital probes.

Optimise comfort levels

Help your customers detect and prevent negative environmental influences in workplaces.

Integrated, guided measurement programs...

... such as VAC grid measurement as according to EN 12599.

Fast, professional report creation

Use the PC software "EasyClimate" to compile results, analyses and reports on site.

Illuminated graphic display

Have an overview of all parameters and readings.

Use the practical trackpad...

... to navigate through the measurement chain in just a few steps.



Professional analysis of workplace conditions.

Measurement technology from Testo – for optimum support in your work.

CO₂ measuring instrument testo 535 with 2-channel infrared sensor

testo 535 is a precise, reliable CO₂ measuring instrument for monitoring indoor climate. The high-quality and stable 2-channel infrared sensor allows long-term measurement, and the measurement data can be documented on site with date and time using the Testo fast printer.

Part no. 0560 5350

ppm
CO₂



Sound level measuring instrument testo 816-1 with AC/DC output

The testo 816-1 is ideal for sound level measurements at workplaces, in industrial and production halls and in public places. Thanks to its functionality, the testo 816-1 fulfils all requirements of a norm-compliant sound level measurement according to IEC 61672-1 Class 2.

Part no. 0563 8170

dB



Light intensity measuring instrument testo 540 ideal for measurements at workplaces

The sensor of the testo 540 is adapted to the spectral sensitivity of the human eye. This makes testo 540 ideally suitable for light intensity measurements at workplaces. testo 540 is very handy, small and easy to operate.

Part no. 0560 0540

Lux

Light intensity measuring instrument testo 545 with measurement site management

With the testo 545, various measurement sites can be created using the optionally available software, in order to create a "light profile". With the integrated logger function, up to 3000 measurement values can be stored in the instrument.

Part no. 0560 0545

Lux

Thermohygrometer testo 608-H2 for continuous indoor climate monitoring

The low-budget alarm hygrometer testo 608-H2 continuously measures humidity, temperature and dewpoint, and reliably reports limit value violations. The large display as well as the suspension and standing fixtures allow flexible positioning.

Part no. 0560 6082

%RH

°C

°Ctd



For more ventilation and air conditioning instruments, go to www.testo.com

Temperature/humidity measuring instrument testo 623
with history function

The temperature and humidity measuring instrument testo 623 simultaneously shows current and past temperature and humidity values in a clear display, along with the date and time. The displayed profile analysis offers optimum evaluation of the last 90 days' measurement results.

Part no. 0560 6230



Data logger temperature/humidity testo 175 H1
with external humidity probe

With its long-term stable humidity sensor, the testo 175 H1 is the professional compact data logger for the monitoring of temperature and relative humidity in work and storage rooms. testo 175 H1 has a data store for up to 1 million measurement data.

Part no. 0572 1754



Humidity/temperature measuring instrument testo 605-H1
ideal for measurement in ducts

The thermohygrometer testo 605-H1 is especially flexible and convenient to use thanks to its jointed, 125 mm probe shaft, e.g. when checking air humidity in ducts. The display can be swivelled into various positions.

Part no. 0560 6053



Mini data logger temperature/humidity testo 174 H
for long-term monitoring

The mini data logger for temperature and humidity testo 174 H is ideal for monitoring building climate or temperature- and humidity-sensitive goods in storage. The free "ComSoft Basic" software allows fast programming of the data logger as well as easy data analysis.

Part no. 0572 6560



Humidity/temperature measuring instrument testo 610
in convenient pocket format

The testo 610 simultaneously measures relative air humidity and temperature. It is therefore ideally suited for fast checking of the indoor climate, such as in offices, production areas or in warehouses for example. Calculation of dewpoint and wetbulb are also possible with the testo 610.

Part no. 0560 0610



Professional analysis of workplace conditions.

Measurement technology from Testo – for optimum support in your work.

Humidity/temperature measuring instrument testo 625

compact and robust

The testo 625 is a compact instrument with integrated humidity probe. For measurements in difficult to reach places, the humidity probe can simply be removed and attached to the handle with a probe cable (accessories).

Part no. 0563 6251



Temperature measuring instru- ment (NTC) testo 110

with broad selection of probes

The testo 110 is a highly accurate, universally applicable temperature measuring instrument which is ideal for use in rough surroundings. In addition to the broad range of classical probes, a wireless radio probe can also be used.

Part no. 0560 1108



Temperature measuring instrument (TC Type K) testo 925

with indestructible protective case
(option)

The testo 925 is a 1-channel temperature measuring instrument. The instrument is ideal for the connection of fast thermocouple probes. The reading from a further temperature probe can be displayed by transfer of measurement data by radio.

Part no. 0560 9250



Infrared thermometer (2-channel) testo 835 H1

for fast non-contact measurement

Especially when monitoring the temperature of small, moving or difficult-to-access objects, the testo 835 H stands out thanks to its innovative infrared measurement technology which provides first-class results even at a great distance.

Part no. 0560 8353



For more ventilation and air conditioning instruments, go to www.testo.com

Overview of our measurement solutions for ventilation and air conditioning.

		Flow velocity	Temperature	Humidity	Pressure	Light	CO ₂	Sound level	rpm
Volume flow measurement in ducts	testo 405	✓	✓						
	testo 416	✓							
	testo 425	✓	✓						
Volume flow measurement at ventilation outlets	testo 410	✓	✓	✓*					
	testo 417	✓	✓						
	testo 420	✓	✓	✓	✓				
Differential pressure measurement on filters and plants	testo 510				✓				
	testo 512				✓				
rpm measurement on fans	testo 460								✓
	testo 477								✓
Multi-function measuring instruments	testo 435-2	✓	✓	✓	✓*	✓	✓		
	testo 480	✓	✓	✓	✓	✓	✓		
IAQ	testo 535						✓		
Light intensity	testo 540					✓			
	testo 545					✓			
Sound level	testo 816-1							✓	
Indoor air humidity stationary	testo 608-H2		✓	✓					
	testo 623		✓	✓					
Humidity data logger	testo 174 H		✓	✓					
	testo 175 H1		✓	✓					
Air humidity mobile and in ducts	testo 605-H1		✓	✓					
	testo 610		✓	✓					
	testo 625		✓	✓					
Contact temperature measurement	testo 110		✓						
	testo 925		✓						
Non-contact surface temperature	testo 810		✓						
	testo 835 H1		✓	✓					

*The instrument is available in different versions.

Ordering suggestions.

VAC set testo 480

	Order no.	
High-end VAC measuring instrument testo 480 incl. PC software "EasyClimate", mains unit, USB cable	0563 4800	
Vane probe, ø 16 mm with telescope	0635 9542	
Thermal flow velocity probe ø 10 mm with telescope, bendable 90°	0635 1543	
Humidity and temperature probe ø 12 mm	0636 9743	
Vane probe ø 100 mm for measurement at air outlets	0635 9343	
Plug-in head cable for digital probes	0430 0100	
System case for grid measurements	0516 4800	

Comfort set testo 480

	Order no.	
High-end VAC measuring instrument testo 480 incl. PMV/PPD measurement, PC software "EasyClimate", mains unit, USB cable	0563 4800	
Comfort probe for turbulence measurement in accordance with EN 13779*	0628 0143	
Globe thermometer Ø 150 mm, TC Type K, for measuring radiant heat	0602 0743	
IAQ probe for the evaluation of Indoor Air Quality, CO ₂ , humidity, temperature and absolute pressure measurement, incl. desktop tripod*	0632 1543	
Lux probe for measuring light intensity	0635 0543	
Plug-in head cable for digital probes	0430 0100	
Tripod for workplace evaluation	0554 0743	
System case for comfort level measurement	0516 4801	

*Plug-in head cable required

VAC set testo 435

	Order no.	
Multi-function measuring instrument testo 435-2 incl. measurement value store, PC software "ComSoft", USB data cable, batteries	0563 4352	
Vane ø 16 mm, with telescope	0635 9535	
Thermal flow velocity probe with integrated temperature and humidity measurement, ø 12 mm, with telescope	0635 1535	
Humidity/temperature probes	0636 9735	
Vane probe ø 100 mm for measurement at air outlets	0635 9435	
Service case for measuring instrument, probes and accessories	0516 0435	

testo 420 set

	Order no.	
testo 420 volume flow hood, with body, 610 x 610 mm flow hood, 5 x tension rods, USB cable, batteries and trolley	0563 4200	
Accessories:		
Flow hood 360 x 360 mm	0554 4200	
Flow hood 305 x 1220 mm	0554 4201	
Flow hood 610 x 1220 mm	0554 4202	
Tripod, extendable to 4m	0554 4209	

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Subject to change without notice.