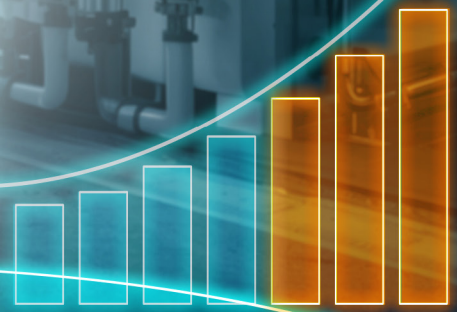


competence@optimum
Optimum expertise

flexibility@optimum
Optimum application flexibility

efficiency@optimum
Optimum plant efficiency



be@optimum

Optimized operation: Maximum efficiency of industrial plants and building technology. Flexible and competent. **With Testo.**

When monitoring, inspecting, maintaining and repairing technical equipment and systems in industry and building technology, service technicians, process engineers and facility managers face numerous challenges:

- ▶ Ensuring process reliability to minimize the risk of downtime
- ▶ High time and cost pressures in the midst of staff and skills shortages
- ▶ Extensive complexity due to a multitude of technologies and systems
- ▶ Advancing digitalization
- ▶ Strict standards and regulations, particularly with regard to sustainability and energy efficiency

For this you need efficient, flexible and competent support via:

- ▶ High-precision, robust and intuitive measurement technologies
- ▶ Efficient workflows
- ▶ Automated processes
- ▶ Simple data management for standard-compliant documentation

Testo is a proud partner of industry and technical facility management: High-quality measuring instruments, tailor-made solutions and first-class services for optimized operation.



efficiency@optimum

Optimum plant efficiency

Reliable. Trouble-free. Fully compliant.

Benefit from innovations that ensure efficiency, safety and sustainability. Our measurement solutions for industrial and HVAC/R systems, emission measurement and IAQ monitoring minimize downtimes and optimize costs. With high-precision measuring technology, smooth workflows and simple reporting, you can increase the performance of your plants – efficiently and in compliance with the regulations.

With Testo...

... you can maximize the performance of your systems and processes: **efficiency@optimum**

... you are prepared for any measuring task: **flexibility@optimum**

... you benefit from targeted support to meet application-specific challenges: **competence@optimum**

Making more possible.

For optimized operation:

be@optimum

flexibility@optimum

Optimum application flexibility

**Measuring instruments and solutions:
Tailor-made. Wireless. Automated.**

In view of the dynamic challenges in the areas of digitalization and automation as well as the increasingly complex plant and system landscape, we support you with flexible solutions: Our portfolio, which includes apps and software, boasts impressive interoperability, optimized data management and automated reporting. This enables you to react flexibly and optimally to every scenario in your everyday life.



competence@optimum

Optimum expertise

Personalized consulting. Intuitive technologies. Innovative solutions.

The challenges you face every day are many and varied: An increasing number of standards and regulations, the clearly noticeable shortage of skilled labour and the growing complexity of plants and systems. In Testo, you have a strong partner who consistently has your back. Our intuitive products and software, complemented by customized consulting, on-site services and calibration options, make it easier for you to meet these complex requirements. Benefit from a partnership that sustainably optimizes your work processes and takes them to a whole new level.





Optimized workflows: With the testo Smart World

Networked measuring technology, seamless compatibility and innovative apps – the testo Smart World opens up unimagined possibilities in data management, cost efficiency and ensuring optimum system availability.

- ▶ **Data management:** Data forms the basis of every informed decision. Testo's high-precision measuring technology provides you with the exact information you need for sustainable optimization. Fast, precise and in real time.
- ▶ **Process optimization:** By automatically monitoring critical environmental parameters such as temperature and humidity and being reliably alerted when limit values are exceeded, you can reduce manual work steps and achieve significant efficiency gains at the same time.
- ▶ **Cost efficiency:** Digitally recording, analyzing and documenting critical parameters helps you to optimize the use of your resources and thus leverage potential savings.

Always at your service: For all your measurement needs.

Depend on proven Testo expertise for seamless process reliability: Our experts offer **tailored advice and rapid assistance with maintenance and repair requirements.**

We look forward to hearing from you:

With our tailored services for **calibration and test equipment management**, we guarantee the reliability and precision of your measuring technology – thus increasing your productivity.

Find out more.

Contents:

Find out more about our measurement solutions for:


 **Maintenance**
from Page 6

HVAC/R:

 **Heating systems and heat pumps**
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 **Air conditioning and ventilation systems**
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 **Indoor air quality (IAQ) & comfort level**
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 **Indoor climate monitoring**
from Page 26

 **Temperature and humidity**
from Page 30

 **Pressure**
from Page 32

 **Emission**
from Page 34

Measurement solutions
for maintenance



Preventive maintenance. Optimum performance.

Preventive maintenance goes beyond mere reactive maintenance and includes a predictive strategy to avoid breakdowns and costs. Regular preventive maintenance offers numerous advantages:

- ▶ Avoidance of expensive system downtimes
- ▶ Extended system service life
- ▶ Reduced repair costs
- ▶ Increased safety

Typical preventive maintenance applications include:

- ▶ Testing control cabinets and electrical systems in the low-, medium- and high-voltage range
- ▶ Testing maintenance of system components

Thermal imagers such as the testo 883 have proven to be the ideal tool for preventive maintenance. This is because only thermography makes it possible to inspect plants and systems without contact and without any downtime, in order to detect thermal anomalies at an early stage and thus avoid costly repairs or breakdowns.

See more.
Know more.
Make the best decisions.

With the testo 883-1 thermal imager

Your ideal tool for rapid early detection of wear and critical heating states in electrical and mechanical systems – from a safe distance, with clear results and without having to interrupt operation. For more efficiency and flexibility in your daily maintenance routine.

- ▶ Spot every thermal anomaly thanks to the best image quality, with IR resolution of 320 x 240 pixels (640 x 480 pixels with testo SuperResolution technology)
- ▶ Save time and hassle with testo SiteRecognition: the testo 883 guarantees fully automatic measuring site recognition, along with storage and management of the thermal images. Benefits to you: no mix-ups, error-free analysis and time savings through eliminating the need for manual image mapping.
- ▶ Simple and intuitive analysis and documentation of your thermal images with the free professional software testo IRSof
- ▶ Obtain thermal images that offer more useful information and be more efficient in your day-to-day work by networking with the testo 770-3 clamp meter and the testo Thermography App



Tool Tip

Did you know?

- ▶ Preventive maintenance can reduce maintenance costs by up to 30%.
- ▶ Downtimes can be reduced by up to 45%.
- ▶ The service life of machines can be extended by up to 50%.



Excellent alternatives for your thermography jobs.

The testo 868s and testo 872s models are ideal for a quick overview during tours of inspection.

If you want to see more thermal details in higher resolution, then the testo 872s thermal imager is the number one choice for you.



Thermal imager testo 868s

- ▶ IR resolution: 160 x 120 pixels (320 x 240 pixels with testo SuperResolution technology)
- ▶ Use the testo Thermography App to work more efficiently and analyze thermal images with more readings



Thermal imager testo 872s

- ▶ No thermal anomalies overlooked thanks to an IR resolution of 320 x 240 pixels (640 x 480 pixels with testo SuperResolution technology)
- ▶ Find what you need faster and obtain thermal images that are even more impressive thanks to the testo Thermography App and wireless connection to the testo 770-3 clamp meter



The clamp meter for special tasks.

Clamp meter testo 770-3

- ▶ Non-contact measurements on tightly packed cables
- ▶ Connection to testo 883 and testo 872s for displaying and documenting the load values of a system

Find out more:
Measuring instruments for
electrical measurement
parameters.

More than just colourful pictures.

With the free professional software **testo IRSofT**.

A thermal imager alone is not sufficient for top-quality thermography. Powerful analysis software is crucial for analyzing and evaluating thermal images quickly and easily and documenting them in a report.

- ▶ Analyze and process thermal images professionally
- ▶ Create a complete and impressive report step by step, making use of the wide range of report templates included
- ▶ Efficient management and archiving of your images

Incidentally: testo IRSofT is just one of the many innovations in the Smart World Of Testo. Find out more on Page 4

Application example
testo IRSofT
Read now



Your smart thermography assistant. The testo Thermography App.

Create reports quickly and easily, add additional measuring points and comments, and use smartphones or tablets as a second display for the live transmission of thermal images – with the testo Thermography App, one of the innovations in the Smart World Of Testo.

Video on the testo Thermography App. Watch now:

App download



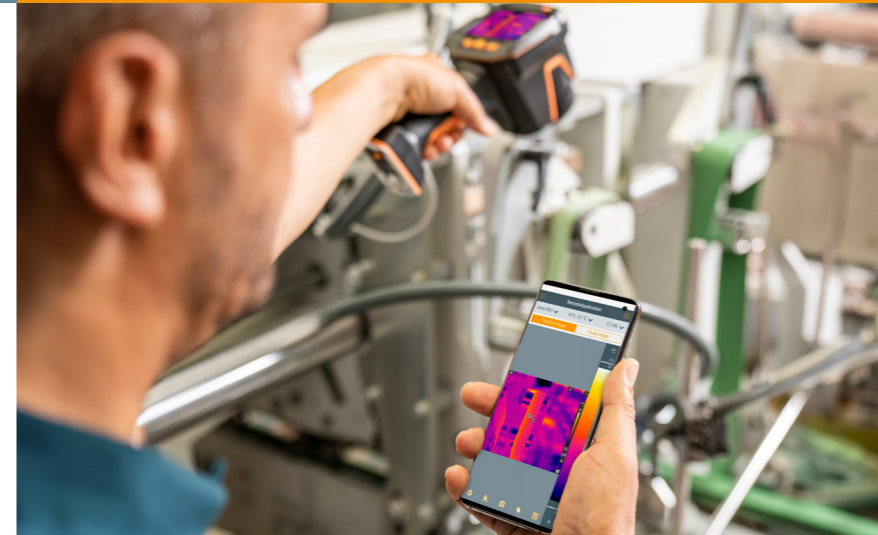
Ideal performance at every turn

The rpm measuring instrument
testo 470

- ▶ For checking motors, shafts or fans
- ▶ Measurement of rpm, speeds and lengths
- ▶ Simple one-hand operation



Find out more: More rpm measuring instruments.



HVAC/R: Measurement solutions for heating systems and heat pumps.



Leading the way in the heat transition.

For modern building management, designing efficient heating systems is crucial. This includes selecting suitable components, correctly sizing the systems and customizing them in terms of modularity and scalability. Another important point is the use of innovative heat pump technologies. These approaches not only help to lower operating costs and reduce CO2 emissions, but also ensure a sustainable and environmentally friendly heat supply. Against this backdrop, it is essential for facility managers and technicians to keep abreast of the latest technologies in order to fully utilize the potential of their systems through precise measurements and optimal settings.

This is where Testo comes in as the ideal partner, offering tailor-made solutions for measuring and optimizing heating systems and heat pumps with its extensive product portfolio and in-depth expertise. A key component in our range of services is the testo Smart App, which enables all necessary measuring tasks to be carried out and documented quickly, easily and reliably.

A new approach to flue gas measurement.



CUSTOMER REFERENCE

Karl-Heinz Bilz talking about the
testo 300 NEXT LEVEL

”

“Testo’s expertise and innovative drive are simply sensational – and the testo 300 NEXT LEVEL is no exception. For example, I can post my documentation online straight away while I’m on site – that really saves time!”

“

[Watch video](#)

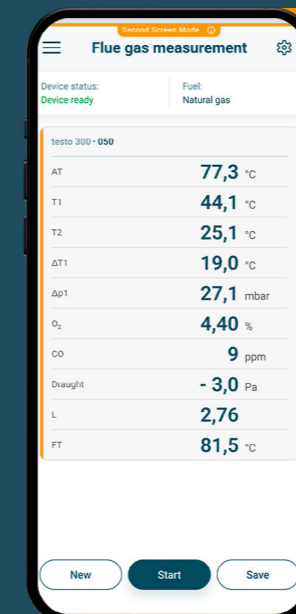


Tool Tip



The flue gas analyzer **testo 300 NEXT LEVEL**

The TÜV-certified testo 300 NEXT LEVEL is the ideal tool for heating engineers and facility managers who value flexibility, efficiency and smart solutions. With the integrated BLUETOOTH CONNECTOR, it connects effortlessly with testo Smart Probes, thus enabling the simultaneous measurement of up to four additional parameters. This practical feature not only saves time, but also makes day-to-day work more pleasant and stress-free. The testo Smart App offers a further boost to efficiency and flexibility. The readings can be transmitted directly to a smartphone or tablet and easily shared by e-mail – a real convenience when it comes to documentation and communication during a hectic working day. Plus, of course, you can also easily integrate measurement data into your in-house software – for optimized data management.



The testo Smart App: Give your efficiency a turbo boost

- ▶ Up to four parallel measurements via testo Smart Probes
- ▶ Your smartphone becomes a second screen
- ▶ Paperless documentation by e-mail

[App download](#)



Two ideal solutions for temperature and differential pressure.

The testo Smart Probes HVAC kit

This kit offers you everything you need for measuring temperature and differential pressure with speed and flexibility. Also ideal for easy measurement of gas flow pressure and static pressure, as well as pressure drops on fans and filters.



Differential pressure measuring instrument testo 512-1 with App integration

Efficient differential pressure measurement with connectivity: The testo 512-1 measures pressures up to 200 hPa with precision and is ideal for burner checks thanks to its position-independent sensor. The connection to the testo Smart App allows data to be conveniently managed and shared, simplifying the work process.



Optimum installation and maintenance of heat pumps.

With the testo 570s professional heat pump kit

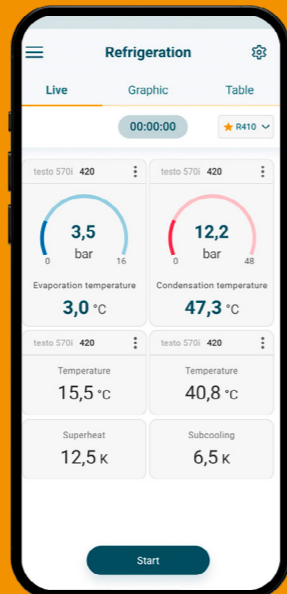
The testo 570s smart manifold in the professional heat pump kit is the ideal solution for heat pumps and hybrid systems thanks to its networking and reliability. A long service life of up to 360 hours and the testo Smart App for fast measurement data recording significantly increase efficiency in facility management. It is designed for modern A3 and A2L refrigerants and offers maximum flexibility with a wide range of sensors and accessories. Easy handling and centralized data management via the app save time and reduce operating costs. This kit, which includes two testo 115i wireless clamp temperature probes and the testo 552i wireless vacuum probe, therefore promotes efficient and future-proof building management.



The testo Smart App: The innovative networking solution.

The testo Smart App provides comprehensive and efficient support for the commissioning/maintenance of heating systems, refrigeration systems and heat pumps as well as other HVAC/R applications:

- ▶ **Perfectly straightforward:** Automatic Bluetooth pairing & easy configuration.
- ▶ **Perfectly efficient:** All measured values centrally in one place, at a glance.
- ▶ **Perfectly flexible:** Second screen function on tablet or smartphone.
- ▶ **Perfectly practical:** Control of the measurement (remote control) and monitoring of live measurement data.
- ▶ **Perfectly paperless:** Easy creation and sending of measurement reports.
- ▶ **Perfectly versatile:** Measurement, documentation and data transfer of all parallel measurements on the testo 300 NEXT LEVEL via the testo Smart Probes



testo Smart App
for free download



For professionals, for experts and for the everyday heroes.

More smart kits for heat pumps.



testo 557s heat pump all-rounder kit:

The one-stop solution for commissioning and servicing heat pumps, including a digital manifold with 4-way valve block and probe for wireless vacuum measurement.



testo 550s heat pump starter kit:

This kit, which includes a manifold with 2-way valve block, enables you to carry out your day-to-day work on heat pumps wirelessly, with ease and reliability.

HVAC/R:
Measurement solutions for
refrigeration systems.



When fast diagnoses and accurate results come together.

For refrigeration professionals, accurate work and precise results are key to the performance and conformity of refrigeration systems and heat pumps. This is where our broad portfolio of solutions for refrigeration and air conditioning technology comes into play – take advantage of high-precision measuring technology, smart analysis tools and practical innovations for your everyday tasks. Our tools ensure seamless connectivity, allowing the various work steps to interact perfectly.

This makes it quick and easy to achieve accurate results and make reliable diagnoses, which ultimately reduces downtime and operating costs.

The flexibility of Testo solutions can help you to effectively master the challenges posed by air conditioning and refrigeration systems as well as heat pumps.

Clear measurement for cool heads.

Tool Tip



The digital manifold **testo 570s**.

Refrigeration technology is in a constant state of change. New refrigerants, heat pumps and hybrid systems create new challenges. That's why we developed the testo 570s, a manifold that is optimally tailored to the needs of today and tomorrow:

- ▶ **Safe:** The testo 570s can be safely used even with A3 refrigerants.
- ▶ **Precise:** Optimized measuring accuracy of 0.25% fs
- ▶ **Smart:** The intelligent error analysis of the testo 570s automatically detects anomalies

More choice for your refrigeration jobs.

You can find all the digital manifolds on our website.

”

RECOMMENDED BY THE PROS

It really saves me time.



Because the testo 570s connects directly to the smartphone, I can keep an eye on the ventilation system on the computer and at the same time see what the refrigeration system is doing on my cell phone. It really saves me time. What's more, the long battery life means I don't have to worry about charging it all the time.

Andreas Becker
Rox Klimatechnik GmbH

“

Fully equipped and ready to go.

With the **testo 570s** and **testo 557s** smart vacuum kits

High-quality measuring technology, high reliability and clever features for quick and easy measurement and documentation make these two kits your reliable partners when carrying out commissioning, servicing and maintenance of refrigeration and air conditioning systems as well as heat pumps.



testo 570s smart vacuum kit:

- ▶ Ideal for long-term and standard measurements with data logging function and intelligent error analysis
- ▶ World's longest service life of up to 360 hours with rechargeable and non-rechargeable batteries
- ▶ Full flexibility thanks to connection to the testo Smart App and the entire Testo refrigeration portfolio

testo 557s smart vacuum kit:

- ▶ All results at a glance thanks to the large graphic display
- ▶ Exceptionally compact and reliable thanks to the easy-to-handle, robust housing with IP 54 protection class
- ▶ Easy, wireless, flexible measurements and documentation: Temperature and vacuum measurements via automatic Bluetooth® connection, testo Smart App for documentation and lots more.

Exceptionally compact. Perfectly smart.

The **testo Smart Probes**

These handy professional measuring instruments are controlled via app and help you with all your refrigeration, air conditioning, heating and ventilation applications.



Maximum accuracy. Minimum effort.

The **testo 770-3** clamp meter

Carries out safe and non-contact measurements on tightly packed cables thanks to its innovative grab mechanism.



Automation: The smarter way to work.

Refrigeration systems Fully automatic evacuation...

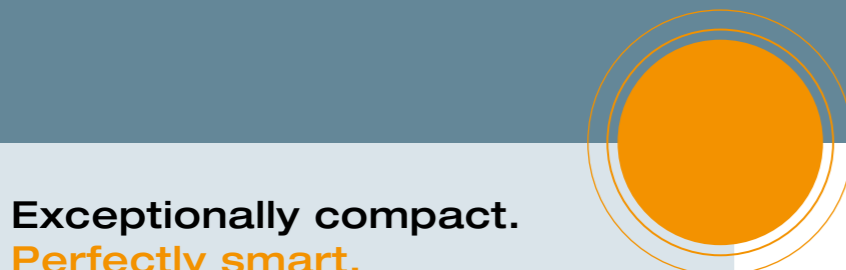
...and charging.

With the vacuum pump **testo 565i**

This allows you to carry out evacuation faster, easier and more efficiently – fully automatically and with an integrated holding test.

With the digital refrigerant scale **testo 560i**

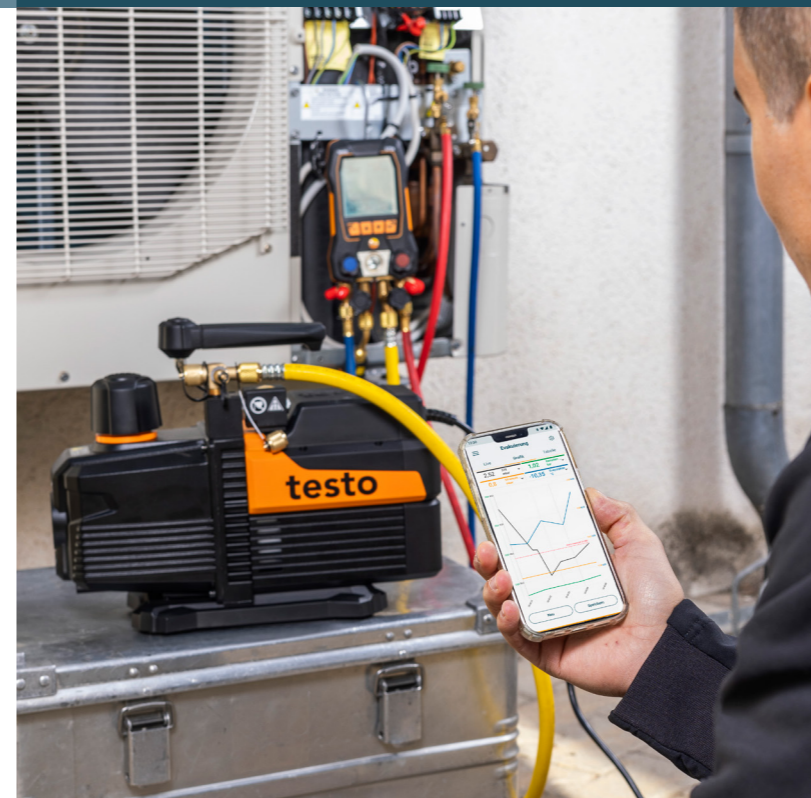
Automatic and precise refrigerant charging according to target superheat, subcooling and weight thanks to intelligent valve.



Just Press Play: The **testo 565i** vacuum pump in action.



- ▶ Eliminates time-consuming monitoring:
Fully automatic evacuation with auto-stop function when target vacuum values are reached
- ▶ Time and resource efficiency:
Self-starting vacuum holding test with data logging function
- ▶ Versatile:
Full flexibility with A3 and A2L refrigerants
- ▶ Full flexibility:
Evacuation control also via the testo Smart App



HVAC/R:
Measurement solutions
for air conditioning and
ventilation systems.



You can breathe a sigh
of relief: Energy efficiency
and indoor climate in
perfect harmony.

The precise balancing of air conditioning and ventilation systems is one of the core tasks of facility managers and maintenance engineers. It improves air quality, increases energy efficiency and reduces operating costs. Testo offers a wide range of innovative measuring technology solutions specifically for measurements at vents and in ducts.

Our efficient and high-precision measuring instruments ensure accurate recording and analysis of climate parameters as well as long-term system performance consistency. As an experienced partner, Testo can help you achieve optimum results and comply with relevant regulations.

Flexible all-rounder for all HVAC professionals

Tool Tip

The IAQ measuring instrument testo 400

As multifaceted as your requirements:
The testo 400 IAQ measuring instrument enables you to measure all important climate parameters intuitively.

With a wide range of probes and an extensive selection of matching accessories and practical kits, you can maintain control over all applications involving air conditioning and ventilation systems.

- ▶ **Intuitive menus:**
HVAC grid measurement as per EN ISO 12599 and ASHRAE 111, PMV/PPD and turbulence as per EN ISO 7730 and ASHRAE 55
- ▶ **Convenient measurement:**
Bluetooth probes and extendable telescopes
- ▶ **With a differential pressure sensor:**
High-precision and position-independent
- ▶ **Exceptionally practical:**
Check out the preconfigured testo 400 kits for the most important applications.



Intuitive IAQ measurement

The IAQ measuring instrument **testo 440**

The testo 440 combines versatility with maximum convenience.

- ▶ **Intuitive and clearly-structured measurement menus:** Volume flow, k-factor, turbulence, heating/cooling power, mould detection, long-term measurement
- ▶ **Wireless probes:** This makes for less cable clutter in the measuring case.
- ▶ **Clearly arranged display:** Measurement configuration and display of readings and measurement results at a glance.
- ▶ **Exceptionally practical:** Check out the preconfigured testo 440 kits for the most important applications.



Stay in control of any outlet



With the vane anemometer **testo 417 – Kit 2**

The compact and versatile testo 417 vane anemometer in Kit 2, including two measurement funnels and a flow straightener, was developed to make it as easy as possible for you to take measurements on air inlets and outlets as well as on plate and swirl outlets in air conditioning and ventilation systems. A particularly practical feature: Use your smartphone/tablet as a second screen with the testo Smart App.

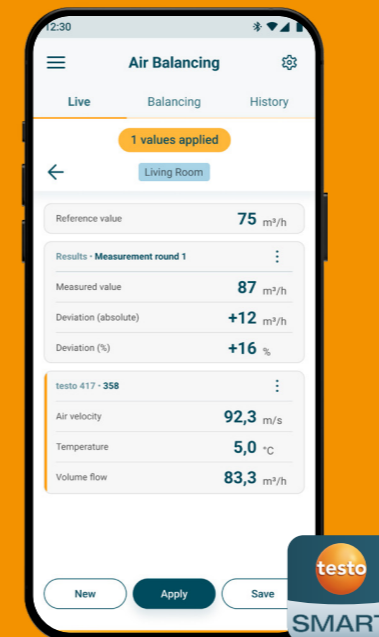
Exceptionally lightweight – impressively versatile.



The volume flow hood **testo 420**

This compact volume flow hood for large ceiling vents up to 1200x1200 mm offers you multiple benefits when maintaining HVAC systems. The flow hood with the removable measuring instrument is not only exceptionally light, it also guarantees accurate volume flow calculations at swirl outlets – ideal for laboratories. And thanks to its wireless connection to the testo Smart App and the testo 400, the flow hood integrates perfectly into your everyday life.

PRO measuring program “Air balancing”



- ▶ Smart-guided PRO measuring program for quick and easy balancing of air conditioning and ventilation systems

- ▶ Compatible with testo 417 & testo 420

Find out more



Measurement solutions for indoor air quality (IAQ) & comfort.



The invisible driver of productivity.

Indoor air quality (IAQ) is a crucial aspect that goes far beyond simply the well-being of employees. Studies have shown that good indoor air quality correlates directly with increased productivity and improved employee health. As a facility manager, you play a central role in monitoring and optimizing indoor air quality and the associated compliance with standards and specifications. Modern measurement technology makes it possible to precisely record and regulate key

factors such as CO₂ concentrations, humidity and pollutant levels. Investing in effective IAQ management not only pays off in the form of a healthier working environment, but also by optimizing the efficiency of the HVAC systems.

Maintain a complete overview of the indoor climate.

With the **testo 400 kit** for IAQ and comfort level measurement

Ideal kit for IAQ professionals, with a focus on indoor air quality and comfort level. Includes a measuring tripod to ensure standard-compliant positioning of probes. Incidentally: In combination with the IAQ data logger, which is available to order separately, long-term measurements up to 2 weeks can be recorded, even without the IAQ measuring instrument.

- ▶ One measuring instrument for all climate-related parameters
- ▶ Standard-compliant determination of the comfort level: PMV and PPD as well as draught and turbulence as per EN ISO 7730 and ASHRAE 55

Tool Tip



Did you know?

- ▶ Studies show that improving the IAQ can increase productivity by up to 10%.
- ▶ Poor IAQ can lead to an increase in respiratory illnesses, which in turn increases absenteeism.
- ▶ Reducing CO₂ levels in office buildings can lead to improved decision-making and cognitive performance.



Designed to make it easy

Our compact instruments with app integration

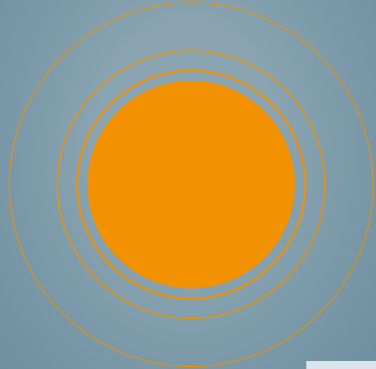
CO₂ measuring instrument **testo 535**

Ideal for simple, fast and precise determination of carbon dioxide levels in order to maintain indoor air quality and thus health and performance.



Thermohygrometer **testo 625**

Efficient measurement of air temperature and relative humidity to assess the indoor air quality or to ensure optimum storage conditions.



Perfect comfort is something you can see...

Lux meter **testo 545**

For simple and precise measurement of illuminance in order to ensure workplace productivity, performance and health.



... and hear.

Sound level meter **testo 816-1**

For professional noise measurement in workplaces and public places, in industry and manufacturing – including data storage and evaluation



Measurement solutions for indoor climate monitoring.



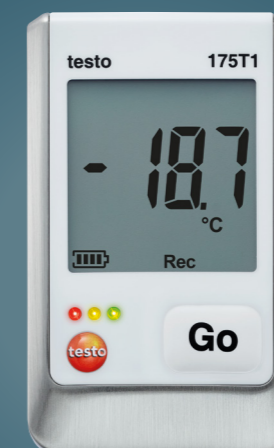
Data loggers: Compact and efficient

Compact, precise and reliable, the data loggers monitor relevant environmental parameters for you, such as temperature and humidity in warehouses and offices, in production or during transport.



Data logger **testo 174**

Small and compact.



Data logger **testo 175**

Ideal for stock monitoring.



Data logger **testo 176**

Suitable for use in extreme conditions thanks to its robust housing.

Flexible monitoring for safe processes.

The continuous monitoring and documentation of critical climate parameters is crucial for numerous production and storage processes in industry and facility management. In some areas, this is also defined by corresponding regulatory and legal requirements, and compliance with the relevant limit values is mandatory. But which measuring solution is ideal for measuring and documenting parameters such as

temperature, humidity, pressure and shock?

Three methods have become established for monitoring quality-relevant environmental parameters: Data loggers, radio data logger systems and automated monitoring systems. Needless to say, these three also form an integral part of the Smart World Of Testo.

Find the ideal data logger for your application now.
Go to the product comparison:



Automated monitoring systems: Optimum safety

- ▶ **More efficiency:** Fully automated monitoring and documentation of temperature and humidity
- ▶ **More security:** Multi-level data backup
- ▶ **More flexibility:** Access to stored data independent of location
- ▶ **Faster response times:** Alarm options when limit values are exceeded

Monitoring system **testo Saveris 1**

The quality of products and processes leaves no room for compromise. And that's why testo Saveris 1 supports you in four different ways. The environmental monitoring system records and analyzes critical environmental data, alerts you if limit values are violated and can help you optimize your processes. For this, the all-in-one solution uses three performance-related components: sensors, software and services.



Sensors:
Precise & reliable

Flexible recording of important measuring values.



Software:
Safe & intuitive

Comprehensive analysis and evaluation of all measurement parameters.



Services:
Comprehensive & personalized

Competent support throughout all process steps – customer-orientated and targeted.

CUSTOMER REFERENCE

Automatic environmental monitoring saves resources and makes audits easier.

When monitoring temperature and humidity, labware specialist Carl Roth GmbH & Co. KG uses the Saveris 1 environmental monitoring system from Testo.

“We supply our customers with around 6,000 chemicals in 15,000 pre-packaged sizes within 24 hours – and our warehouse is accordingly stocked”, says Production Manager Sebastian Dürr.

Audits are an everyday task for the industrial supplier. As a result, in 2020 and 2023 the company invested in an automated, uninterrupted measurement data recording system with alarm management. “This gives us all the data we need to ensure satisfied customers – including in accordance with GMP where required”, states Dürr.



Read now:



Radio data logger systems: As flexible as you need them to be.

- ▶ Completely wireless data logging and transmission via WLAN
- ▶ Comprehensive selection of radio data loggers and sensors
- ▶ Measured values are automatically saved and documented in the Testo cloud
- ▶ Real-time access to data and alarms in the event of critical values via SMS/e-mail

Radio data logger system **testo Saveris 2**

Whether in facility management or for quality assurance of processes in storage and production: testo Saveris 2 can be used wherever temperature and humidity need to be continuously monitored. With the flexible system, you can be sure of complying with standards and regulations, optimize processes, ensure quality and increase your efficiency.



Find out more

Measurement solutions
for temperature
and humidity.



Here, quality
matters.

Precise measurement of temperature and humidity is essential to ensure optimal production conditions and guarantee quality. For industrial companies, this means prioritizing the control of these environmental variables in order to achieve consistency in production while also using resources efficiently.

Compact **temperature professionals** in Testo quality.

testo 925 - temperature measuring instrument

The compact temperature measuring instrument with a TC type K Class 1 probe makes it possible to carry out simple, fast and precise temperature measurements in industry.



testo 922 - differential temperature measuring instrument

2-channel temperature measuring instrument including two probes for measuring differential temperatures quickly and precisely, ideal for heating circuit manifold checks.



testo 110 - NTC and Pt100 temperature measuring instrument

The compact testo 110 temperature measuring instrument really comes into its own wherever measurements need to be taken at exceptionally low temperatures or where high-precision temperatures have to be determined.



testo 625 - thermohygrometer

With the compact testo 625 thermohygrometer, you can measure air temperature and relative humidity easily, quickly and precisely to assess indoor air quality or ensure optimum conditions in storage rooms. Calculation of dewpoint and wet bulb temperature.



Find what you need faster with smart app support.

testo 605i - thermohygrometer

Compact, with app integration and bendable probe head, this tool reliably measures the air temperature and humidity in rooms and ducts.

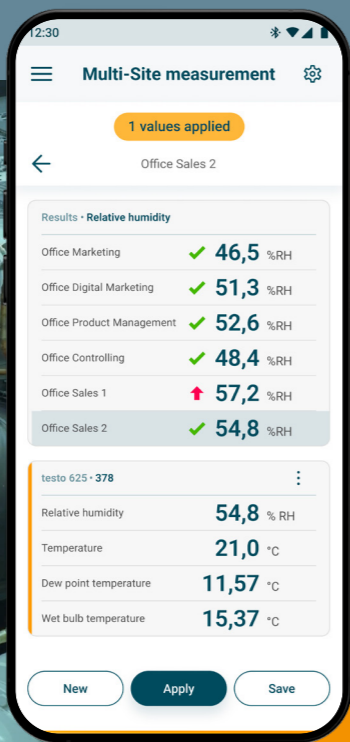
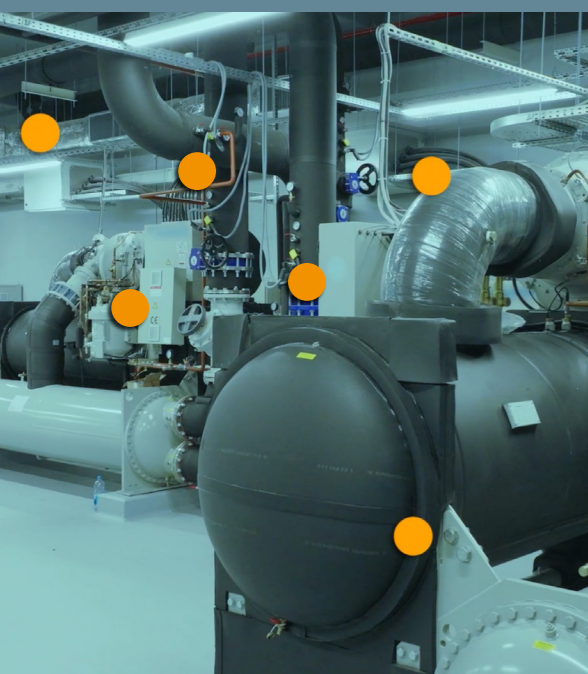


Infrared thermometer 915i temperature kit

Ideal for App-controlled measurement of temperatures on surfaces (e.g. floors or system components), in the air or in liquids.



Find out more about the testo Smart Probes on our website:



New in the testo Smart App: "Multi-site measurement".

The PRO measuring program for optimizing measurement sequences and clear documentation at numerous measuring points.

Find out more.



Measurement solutions
for pressure.



For smooth
operation.

Pressure measurement is crucial in facility management and technical maintenance in order to operate HVAC systems efficiently and detect leaks and pressure drops at an early stage. It contributes significantly to performance optimization and energy efficiency and extends the service life of systems.

Pressure and more.



The IAQ measuring instrument with differential pressure sensor **testo 440 dP**

Precise, reliable measurement of all climate parameters with just one measuring instrument: The multifunction measuring instrument features intuitive operation with clearly structured measurement menus.

- ▶ Extendible with a wide range of probes
- ▶ Wireless measurement with Bluetooth probes
- ▶ USB interface for exporting measurement reports as CSV files

Compressed air meter:
**Four measurement
parameters, one
instrument.**

Compressed air meter
DN 15-50

Testo compressed air meters measure consumption with precision and highlight potential energy savings, thus helping to reduce compressed air costs in industrial companies.



[Find out more](#)

Work **at your best** under pressure.

The differential pressure measuring instruments **testo 512-1/2**

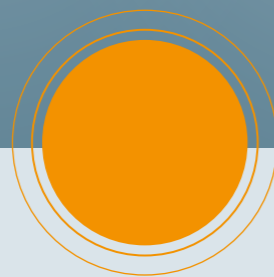
The ideal solution for simple, fast and precise measurement of gas flow and static gas pressure on heating systems or for checking filters on air conditioning systems.

- ▶ Simple, fast and precise differential pressure measurement with a large measuring range up to 2,000 hPa
- ▶ Audible alarm sounds if a limit value is exceeded

testo 512-1 -
0 to 200 hPa



testo 512-2 -
0 to 2000 hPa



Differential pressure measuring instrument with smartphone operation **testo 510i**

Pocket-sized temperature and air density-compensated differential pressure measurement.



High-pressure measuring instrument with smartphone operation **testo 549i**

The smart solution for carrying out troubleshooting on refrigeration and air conditioning systems.



Digital vacuum probe with smartphone operation **testo 552i**

Detect vacuum quickly and easily with graphical display in the app.



Measurement solutions
for emissions.



Efficiency that pays off.

Increased efficiency through optimization: A key factor for your energy and fuel consumption as well as the associated costs. To ensure ideal efficiency for your industrial incineration plant, it is essential to carefully analyze the flue gas and precisely determine the proportions of O₂, CO and CO₂. These values make it possible to calculate the excess air, which must be minimized. This is because lower excess air leads to greater efficiency of your plant – and therefore to a significant increase in your profit.

1%
less
excess air

1%
more
efficiency

testo 350 – emission measurement to meet the highest demands.

The testo 350 flue gas analyzer sets standards in professional flue gas analysis and industrial emission measurement. With its ability to fulfil a wide range of measurement and analysis tasks, it is not only impressive because of its heavy-duty industrial design, but also because of its suitability for complex data acquisition. The testo 350 therefore offers flexibility in terms of handling as well as optimum system efficiency – and all this, of course, is aided and supported by Testo's many years of expertise in flue gas analysis and emissions measurement.



testo 350 analyzer unit

with O₂, including differential pressure sensor, temperature probe input Type K NiCr-Ni and Type S, Pt10Rh-Pt, Testo data bus connection, rechargeable battery, integrated combustion air probe (NTC), trigger input, measurement data memory, USB interface Up-gradable to max. 6 gas sensors from the selection of CO, COlow, NO, NOlow, NO₂, SO₂, CO₂ (NDIR), C_xH_y, H₂S.

testo 350 Control Unit

displays the measurement data and controls the analyzer unit. Incl. rechargeable battery, measurement data memory, USB interface

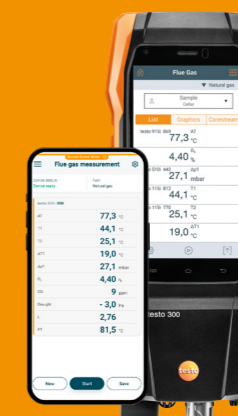
Flue gas analysis optimized for industry.



The flue gas analyzer testo 340

The testo 340 is the ideal hand-held measuring instrument thanks to its exceptionally compact design, which combines reliable technology with maximum mobility. This combination makes it the perfect tool for international service jobs as well as for commissioning and checking industrial combustion and power generation plants. With the testo 340, you benefit from flexibility of use and our extensive expertise in measurement technology in the field of flue gas and emissions.

Flue gas measurement smarter than ever.



The flue gas analyzer testo 300 NEXT LEVEL.

The combination of flexibility, efficiency and smart technology. Thanks to the integrated BLUETOOTH® CONNECTOR, the TÜV-certified testo 300 NEXT LEVEL enables automatic connection to the testo Smart Probes – for efficient, wireless measurement of up to four additional parameters simultaneously. You can also complete your documentation easily and intuitively while on site, including sending your measurement data by e-mail via the testo Smart App or transferring the readings to your in-house software.

You too can become part of the **testo Smart World.**



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exciting updates from the
Smart World of Testo