

Be Sure.

testo



Testo Smart
App

Testo refrigeration instrumentation for service and testing.

Intuitive, efficient, reliable and accurate.

www.testo.co.uk

Work smarter with digital refrigeration measurement technology from Testo.

In addition to expert knowledge, precise and reliable measurement values are needed for the comprehensive evaluation and correct regulation of refrigeration or air conditioning systems. It is here that digital refrigeration technology from Testo has for years proven its worth:

- Ongoing updates with new refrigerants
- Automatic calculation of crucial system parameters
- Convenient operation via user-specific measurement menus, Bluetooth and Apps
- Far more precise measurement results with constant accuracy than with analogue manifolds

In addition to the automatic calculation of evaporation/condensation temperature and of superheating/subcooling, the digital manifolds from Testo support you in the monitoring of the following applications faster and more reliably than analogue manifolds.



Certainty in an uncertain world.

One thing that is a certain in an uncertain world, is that changing to a digital manifold as a service tool makes the process of refrigerant changes and subsequent commissioning and set-up a simple task. Up to 60 refrigerants are stored in the testo 550s and 557s digital manifolds. What's more, connection via Bluetooth to a smartphone or tablet allows engineers to update the manifolds for new refrigerants.

With the increased cost of refrigerants, it is imperative that engineers ensure that a complete pressure test with nitrogen is performed prior to any re-gassing. Testo manifolds ensure optimum testing by having a temperature compensated pressure test function that will show the start/end/delta pressure during the leak test and the total length of time that the leak test was performed. Temperature compensation ensures that any fluctuation in ambient temperatures are measured during the pressure test, and that no error due to this ambient fluctuation will show in the pressure readings. Again, these test results can be downloaded via Bluetooth to the App and a pre-configured report generated for the client.

The testo 550s and 557s manifolds and Smart Probes contain stored data for over 90 refrigerants:

R114; R407C; R444B; R12; R407F; R448A; R123; R407H; R449A; R1233zd; R408A; R450A; R1234yf; R409A; R452A; R1234ze; R410A; R452B; R124; R414B; R453a; R125; R416A; R454A; R13; R420A; R454B; R134a; R421A; R454C; R22; R421B; R455A; R23; R422B; R458A; R290; R422C; R500; R32; R422D; R502; R401A; R424A; R503; R401B; R427A; R507; R402A; R434A; R513A; R402B; R437A; R600a; R404A; R438A; R718 (H2O); R407A; R442A; R744 (CO2*); R11; R227; R417A; FX80; R236fa; R417B; I12A; R245fa; R417C; R1150; R401C; R422A; R1270; R406A; R426A; R13B1; R407B; R508A; R14; R407D; R508B; R142B; R41; R600; R152a; R411A; RIS89; R161; R412A; SP22; R170; R413A

For A2L refrigerants the range of Testo digital manifolds and Smart probes are suitable for use when used in compliance with the relevant standards and guidelines (such as EN 387 part 1-4), as well as any manufacturers regulations or recommendations.

*not suitable for use on R744 (CO2) transcritical systems.

Your advantages with Testo

Largest portfolio:

With Testo, you find all the measuring instruments you need for servicing refrigeration and air conditioning systems and heat pumps.

Worry-free working:

With Testo, you get not just the right measuring instruments, but also services such as regular maintenance and calibration from one provider.

Innovative technology:

With refrigeration measurement technology from Testo, you leave the competition behind you – and all at an attractive price.

One for all. The testo Smart App.

Download
now free of
charge
for Android
and IOS



All applications of the new digital manifolds on your smartphone: With the testo Smart App, you will evaluate results even faster in the future. Apart from that, it helps you to avoid measurement errors, as stored measurement programs guide you step by step through the configuration and the measurement. With the integrated documentation functions, reports can be created on site, and digital measurement protocols, including photos, can be sent as PDF or CSV files directly by e-mail. Apart from that, you can set up customer data and measurement sites at the touch of a button, and synchronization with the free testo DataControl PC software is done wirelessly via WLAN.

Easy management of measurement and customer data.





With the testo DataControl PC software.



From the plant via the PC to the finished job: With the testo DataControl software, measurement results and customer profiles can be managed easily and quickly – and the documentation is dealt with almost by itself.

- Intuitive user interface: all information available in a click
- Graphic display of up to 4 readings at the same time
- Manage customer profiles and measuring points: App and software synchronise via WLAN

Digital manifolds from Testo in comparison.

	testo 550i	testo 550s	testo 557s	testo 570s
				
Valve block	2-way	2-way	4-way	4-way
Large graphic display	–	✓	✓	✓
Bluetooth connectivity to Smart App	✓	✓	✓	✓
Compatible with all wireless probes for temperature, vacuum, humidity	✓ (with automatic connection)	✓ (with automatic connection)	✓ (with automatic connection)	✓ (with automatic connection)
Protection class	IP54	IP54	IP54	IP54
Identical pressure measuring range HP/ LP	up to 60 bar	up to 60 bar	up to 60 bar	up to 60 bar
Pressure measurement accuracy	> 0.5 % of f.s.v.	> 0.5 % of f.s.v.	> 0.5 % of f.s.v.	> 0.25 % of f.s.v.
Integrated temperature measurement	✓ (up to 3 temperature probes + Bluetooth® probe) via App	✓ (up to 3 temperature probes + Bluetooth® probe)	✓ (up to 3 temperature probes + Bluetooth® probe)	✓ (up to 3 temperature probes + Bluetooth® probe)
Target superheat in the manifold or testo Smart App	✓ (App only)	✓	✓	✓
Bluetooth connection to smart probes	✓	✓	✓	✓
Refrigerants stored	90	90	90	90
Refrigerant update	automatically via App	automatically via App	automatically via App	automatically via App
Temperature-compensated tightness testing with temperature probe	✓	✓	✓	✓
Suitable for A2L refrigerants	✓	✓	✓	✓ (and A3 refrigerants)
Datalogging function	–	–	–	✓

Fully smart, fully wireless: The smallest manifold of all time: testo 550i

Bluetooth® 5.0
+ App

testo Smart App
for free download

NOW IN Download at

The new testo 550i smart block provides a perfect entry point for engineers who want to move over from an analogue gauge to a digital manifold.

testo 550i enables you to control your daily servicing and maintenance work on refrigeration and air conditioning systems and heat pumps entirely via testo Smart App and smartphone or tablet. It is equipped with a 2-way valve block,

using digital documentation to save time. In addition to this, the compact instrument connects automatically via the testo Smart App to our Bluetooth® probes for temperature, pressure and humidity. Evaporation and condensation temperatures can be automatically calculated in the App, which can retrieve results up to 150m away from the instrument.

testo 550i (manifold only)
Smart digital manifold, incl. certificate of conformity

0564 2550 02

testo 550i Smart kit
Smart digital manifold with wireless, temperature probes in practical case, incl. certificate of conformity

0564 3550 02

testo 550i Smart heat pump kit
Everything included in the smart kit, plus: a testo 770-3 clampmeter

300564 3350 02

Perfect for efficient service

Digital manifolds: testo 550s and testo 557s.

The digital manifolds testo 550s and testo 557s make measurements on refrigeration and air conditioning systems as well as heat pumps faster and easier than ever before. The large display shows all measurement data at a glance and simplifies the analysis of the results. Measurement menus guide you step by step through the measurement and allow the automatic determination of important plant parameters such

as superheat, pressure test function and vacuum. Bluetooth® probes for temperature, pressure and humidity can be connected wirelessly to the instrument, and together with the testo Smart App, to provide even more flexibility. Thanks to its proven quality and great durability, you can rely on maximum precision under any conditions. From the first job, to the last.

testo 550s Basic kit

Smart digital manifold with cable temperature probes in practical case, incl. certificate of conformity



0564 5501 02

testo 550s Smart kit

Smart digital manifold with wireless temperature probes in practical case, incl. certificate of conformity



0564 5502 02

testo 550s Smart kit with hoses

Smart digital manifold with wireless temperature probes and hoses in practical case, incl. certificate of conformity



0564 5503 02

testo 557s Smart vacuum kit

Smart digital manifold with wireless vacuum and temperature probes in practical case, incl. certificate of conformity



0564 5571 02

testo 557s Smart vacuum kit with hoses

Smart digital manifold with wireless vacuum and temperature probes in practical case with hoses, incl. certificate of conformity



0564 5572 02

The complete kit for heat pumps

testo 550s Smart Heat Pump kit

testo 550s unit, 2x testo 115i temperature clamp probes, testo 770-3 clampmeter & testo 560i refrigerant scales



300564 5502 02

The ultimate kit for heat pumps

testo 557s Smart Heat Pump kit

testo 557s unit, 2x testo 115i temperature probes, testo 770-3 clampmeter, testo 552i, testo 560i scales & valve



300564 5571 02

Introducing the testo 570s: with intelligent error analysis



Bluetooth® 5.0 + App
 testo Smart App
 for free download

NOW IN Google Play Download at App Store

Intelligent and powerful in every measurement

- ✓ Be sure and save time thanks to **intelligent fault analysis** in the testo Smart App
- ✓ Unrestricted independence thanks to the **world's longest battery life** of up to 360 hours with rechargeable battery (USB-C) and batteries
- ✓ All measurement **data at a glance** and graphical progress presentation thanks to large display

Smart connection

- ✓ Full flexibility through **wireless connection** and **automatic pairing** of the manifold with the testo Smart Probes
- ✓ **Free testo Smart App** for convenient control of the measurement on a smartphone or tablet

Equipped for every challenge

- ✓ **A3 and A2L Ready**
- ✓ Highest precision even at low pressure values due to **measuring accuracy of 0.25% fs**
- ✓ Proven quality with **IP54 protection class**

Fast and easy in every situation

- ✓ Easy to achieve results thanks to **guided measuring menus**
- ✓ **Digital documentation** and **easy sending of measurement reports** via email per App
- ✓ Convenient **refrigerant management** in the App with favourites and automatic updates
- ✓ Practical **one-hand operation** thanks to compact design and only 4 buttons

testo 570s digital manifold with 4-way valve block, with intelligent error analysis

The testo 570s digital manifold with Bluetooth and 4-way valve block is the optimal solution for long-term measurements on refrigeration and air conditioning systems as well as heat pumps. Intelligent error analysis in the testo Smart App allows anomalies to be detected quickly and reliably.

The testo 570s has a battery runtime of up to 360 hours, a large internal data memory, and a high degree of measuring accuracy, making it a reliable partner for both long-term and short-term measurements.

testo 570s (manifold only)

testo 570s, incl. certificate of conformity. Suitable for existing owners of testo 550i, 550s, and 557s looking to upgrade their kit.



0564 5701 02

testo 570s Smart Vacuum kit

testo 570s, wireless clamp thermometers, wireless vacuum gauge, transport case & certificate of conformity



0564 5702 02

testo 570s Smart Vacuum kit with hoses

testo 570s, wireless clamp thermometers, wireless vacuum gauge, transport case & certificate of conformity



0564 5703 02

testo 570s Smart Vacuum kit with TRMS clamp meter

testo 570s, wireless clamp thermometers, wireless vacuum gauge, testo 770-3 clamp meter, transport case & certificate of conformity



0564 5704 02

Work smart with testo 570s connectivity

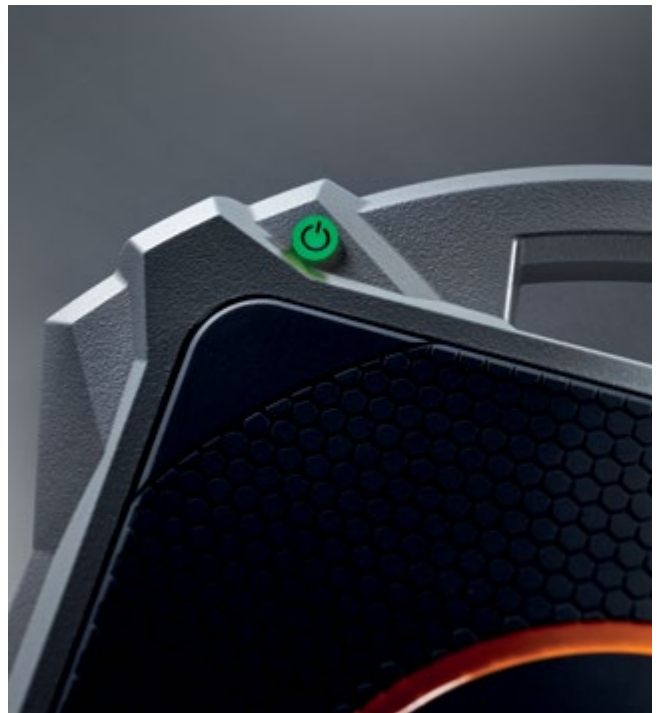


testo 560i digital refrigerant scale

Top features



- **All measured values** for the charging process **at a glance** with storage of the measured data in the testo Smart App.
- **High measuring accuracy** with a maximum load of 100 kg for all common refrigerant containers.
- **Super handy:** Compact housing, low weight, convenient carrying handle and sturdy shoulder bag.
- **3D corners for accurate positioning** and textured rubber surface for stable hold of the container.
- **Power in every respect:**
Long battery life of up to 70 hrs. (4 x AA, included/exchangeable).
Bluetooth range up to 30 m.



The testo 560i digital refrigerant scale

testo 560i

testo 560i scale, shoulder bag, batteries and instruction manual.

- Wireless measurement of refrigerant weight and operation with Testo Smart manifolds and testo Smart App via Bluetooth



0564 1560

Intelligent refrigerant valve

Bluetooth valve for use with testo 560i (sold separately) incl. batteries

- Automatic and precise refrigerant charging according to target superheat, subcooling and weight in combination with the digital refrigerant scale testo 560i (available separately or as a kit)



0560 5600

testo 560i kit + intelligent valve

testo 560i scale, intelligent valve, shoulder bag, batteries and instruction manual.

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



0564 2560

Technical data

testo 560i	
Measuring range	0.00 to 100.00 kg
Accuracy (+22 °C, ± 1 digit)	Operating temperature -5 °C to +25 °C: $\leq \pm(10 \text{ g} + 0.03 \% \text{rdg})$ (0 to 30 kg) $\leq \pm(10 \text{ g} + 0.05 \% \text{rdg})$ (30 to 100 kg) other working temperature: $\leq \pm 20 \text{ g}$ (0 to 10 kg) $\leq \pm(10 \text{ g} + 0.15 \% \text{rdg})$ (10 to 100 kg)
Resolution	0.01 kg
Ambient humidity	0 to 80 %RH
General technical data	
Connection	Bluetooth 4.2
Bluetooth® range	>30 m free field
Operating temperature	-10 °C to +50 °C / +14 °F to +122 °F
Storage temperature	-10 °C to +50 °C / +14 °F to +122 °F
Dimensions	310 x 287 x 58 mm
Weight	4.36 kg (incl. batteries and bag)
Protection class	IP44
Battery type	4 AA alkaline batteries
Battery life	> 70 h at +25 °C

Refrigerant valve	
Ambient humidity	0 to 80 %RH
Maximum working pressure	35 bar
General technical data	
Connection	Bluetooth 4.2
Bluetooth® range	>50 m free field
Operating temperature	-10 °C to +50 °C / +14 °F to +122 °F
Storage temperature	-10 °C to +50 °C / +14 °F to +122 °F
Dimensions	95 x 119 x 47 mm
Weight	0.57 kg incl. batteries
Protection class	IP54
Battery type	9.0 V alkaline battery (6LR61)
Battery life	>60 hrs + 3000 valve operations

Just press play. Automate your evacuations with the testo 565i smart vacuum pump.



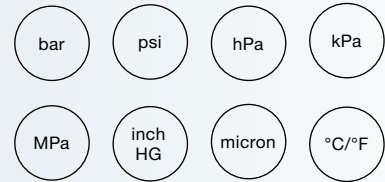
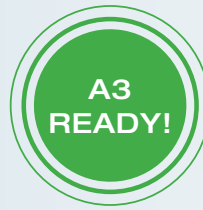
Fully automated evacuation process
with integrated holding test

Safe use even with flammable class A3 and A2L refrigerants

One app for everything: Configure measurements,
monitor and manage data with the testo Smart App

Easy oil change and inspection glass for quick assessment
of the oil level

Non-return valve to prevent vacuum loss
in the event of a power interruption



Experience innovations that take you further: the testo 565i smart vacuum pump.

The new testo 565i vacuum pump carries out evacuations on refrigeration systems and heat pumps fully automatically. When the desired vacuum target value is reached, pumping is automatically stopped and a vacuum holding test is started at the same time. Foreign gases and moisture are thus safely removed and data on the tightness of the system is stored. The data logging function ensures complete documentation. This means that evacuations can be carried out completely autonomously.

Configuration, monitoring of live values and sending the measurement report can be easily controlled via the free testo Smart App. This keeps you flexible and saves you valuable time.

For optimal workflows, the testo 565i automatically establishes a Bluetooth connection to the Testo refrigeration measuring instruments and the Smart App when it is switched on. The pump also guarantees maximum safety at all times thanks to its compatibility with A2L and A3 refrigerants.

testo 565i Smart Vacuum Pump (7 CFM)

testo 565i (7 CFM), oil bottle,
calibration protocol & instruction
manual



Order no. 0564 5652 02


testo 565i Smart Vacuum Pump (10 CFM)

testo 565i (10 CFM), oil bottle,
calibration protocol & instruction
manual



Order no. 0564 5653 02

Everything under control with the testo Smart App

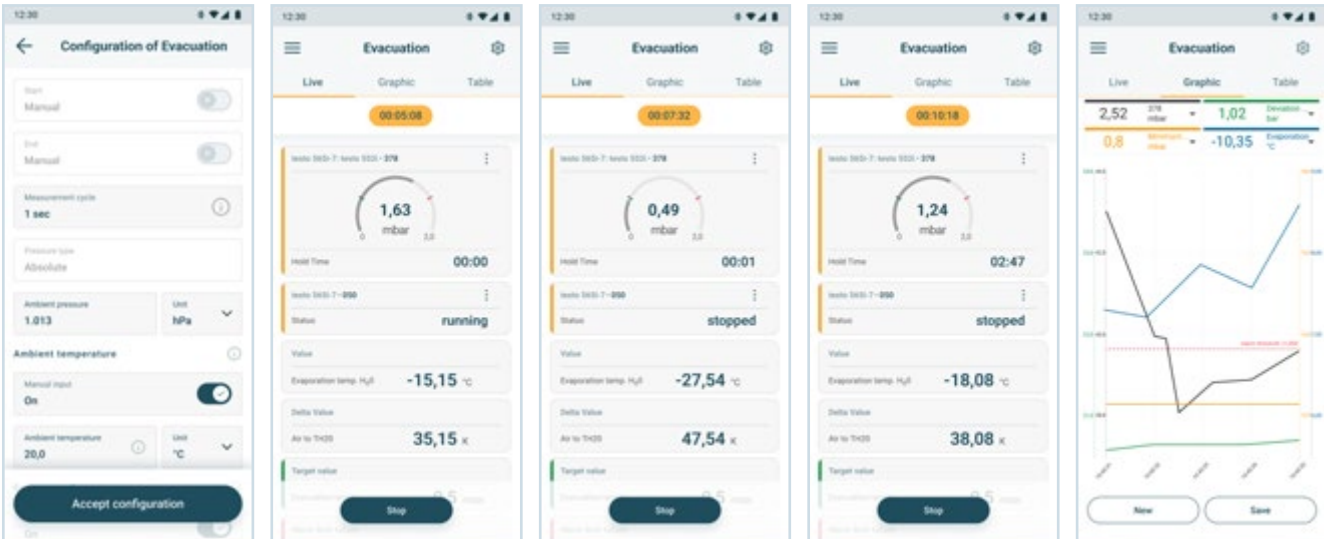


The testo Smart App guides you quickly and easily through measurements on refrigeration, air conditioning and heating systems.

- Automatic Bluetooth connection with the testo 565i, the manifolds and Smart Probes
- Simple configuration of the evacuation
- Monitoring of all measured values and data storage
- Graphic progression display
- Creation and dispatch of the measurement report

Version	7 CFM	10 CFM
Flow rate	7 CFM / 198 l/min	10 CFM / 283 l/min
Weight	12 kg	13 kg
Ultimate vacuum	15 micron	
Refrigerant	A2L / A2 / A3 certified	
Connection sizes	1/4 SAE, 3/8 SAE, 1/2 SAE	
Bluetooth	BLE 5.0: 30 m distance	
Operating temperature	+5 to +40 °C	
Pump type	Rotary vane pump	
Number of stages	Two-stage pump	
Oil compatibility	ISO VG 46	
Order no.	0564 5652 02	0564 5653 02

Control and evaluate evacuation quickly and easily via App



The screenshots illustrate the workflow: 1. Configuration of Evacuation (setting manual mode, pressure, and temperature). 2. Start evacuation (showing a pressure gauge at 1,63 mbar). 3. Auto-stop when the target value is reached (showing a pressure gauge at 0,49 mbar). 4. Automatic initiation of vacuum holding test (showing a pressure gauge at 1,24 mbar). 5. Analysis of the data (showing a graph of pressure over time).



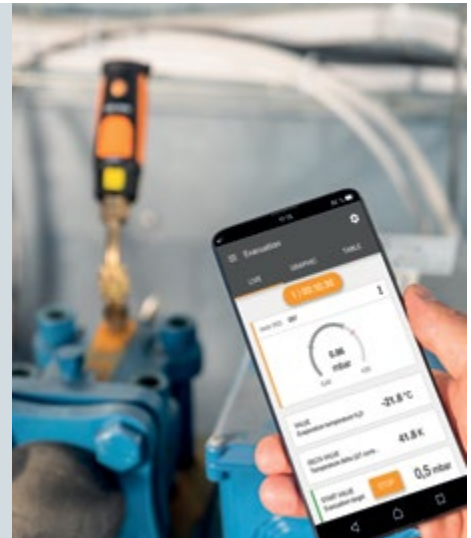
testo Vacuum/Torr Gauges

Vacuum measurement technology

testo 552i wireless vacuum probe, operated by smartphone

Use the new testo 552i vacuum probe with Bluetooth to measure vacuum wirelessly with speed, ease and precision via just one service port – with no loss of refrigerant. The testo Smart App supports you with numerous intelligent features – for example, you can see the vacuum by simply glancing at the graphic illustration in the app or on the manifold’s display. Thanks to its robust, convenient housing and proven measuring technology, the vacuum probe is compact and reliable when carrying out your vacuum measurements on refrigeration and air conditioning systems and heat pumps.

- Fast and easy determination of the vacuum from the graphic display: on your smartphone or the display of your digital manifold
- Robust housing with IP 54 for maximum reliability in daily use
- Connects to the testo Smart App and manifolds via Bluetooth



Wireless vacuum probe testo 552i

- Hose-free vacuum measurements on refrigeration and air conditioning systems and heat pumps
- 0 to 26.66 mbar / 0 to 20000 micron
- Bluetooth range up to 100 metres
- Built-in 45° angle for easy installation at any service port

Order no. 0564 2552



testo 552 bluetooth digital vacuum/ torr gauge

The testo 552 is a digital vacuum measuring instrument for the evacuation of refrigeration systems and heat pumps. It measures even the smallest absolute pressures and provides highly precise information on the status of the dehumidification of a system (removal of foreign substances, incl. oils or foreign gases). Its robust construction makes it suitable for daily use, and protects from dirt and water.

- Control and read complete measurement via smartphone
- Extremely precise, extremely rugged, extremely practical
- App for creating on-site reports
- Sending measurement protocols by e-mail
- Measurement of H2O evaporation temperature



Wireless vacuum probe testo 552

- Vacuum measurements on refrigeration and air conditioning systems and heat pumps
- 0 to 26.66 mbar / 0 to 20000 micron
- Bluetooth capabilities
- Visual alarm and backlit display

Order no. 0560 5522



testo Smart Probe Kits: The perfect kit for every engineer.

Attach, connect, done. The Testo Smart Probes are operated completely by a free App on your smartphone or tablet. This makes the testo Smart Probes refrigeration set perfect for fast testing on refrigeration and AC systems – and the App also deals with the calculation of other important system parameters such as sub-cooling, superheating, condensation and evaporation temperatures, as well as documentation, for you.

- The new Smart Probes testo 115i, testo 605i and testo 549i now have an extended measuring range up to 100 metres
- Measurement at a vent is comfortable with the bendable probe of the new testo 605i. Its thinner measurement tip is ideal for smaller apertures and the stable magnetic holder ensure secure attachment.

testo Smart Probes AC & refrigeration test kit

Commissioning and diagnostics on refrigeration and air conditioning systems. Superheating/subcooling. Consists of: 2 x testo 115i, 2 x testo 549i, testo Smart Case



Order no. 0563 0002 10

testo Smart Probes AC & refrigeration test kit plus

Application-specific menus: superheating and subcooling, target superheating, heating/cooling output. Consists of: 2 x testo 115i, 2 x testo 549i, 2 x testo 605i, testo large Smart Case



Order no. 0563 0002 41

testo Smart Probes VAC kit

testo Smart Probes VAC kit for servicing on ventilation and air conditioning systems. Consists of: testo 405i, testo 410i, testo 605i, testo 805i, testo Smart Case (VAC), batteries, calibration protocol



Order no. 0563 0003 10

testo Smart Probes HVAC/R ultimate kit

Consists of: 2 x testo 115i, 2 x testo 549i, 2 x testo 605i, testo 405i, testo 410i, testo 510i, testo 805i, testo 915i, testo HVAC softcase, batteries, calibration protocol



Order no. 0563 0002 32

Perfect with the testo Smart App

FREE download



testo Smart Probes: Compact all-rounders operated by smartphone.

Clamp thermometer **testo 115i**

- Temperature measurement, also for calculating superheating/subcooling
- -40 to +150 °C
- Suitable for pipes 6 to 35mm diameter
- Bluetooth range up to 100 metres

Order no. 0560 2115 02



High pressure measuring instrument **testo 549i**

- Hoseless high and low pressure measurement
- Low refrigerant loss when testing refrigeration systems
- -1 to +60 bar
- Bluetooth range up to 100 metres
- Connection angled at 45° for easier mounting

Order no. 0560 2549 02



Humidity measuring instrument **testo 605i**

- Air humidity/temperature measurement, also for calculating cooling/heating performance
- -20 to +60 °C; 0 to 100 %RH
- Bluetooth range up to 100 metres
- Bendable probe and thinner measurement tip for small apertures

Order no. 0560 2605 02



Thermal anemometer **testo 405i**

- Air flow velocity/temperature, volume flow measurement, also for calculating cooling/heating performance
- -20 to +60 °C; 0 to 30 m/s

Order no. 0560 1405



Vane anemometer **testo 410i**

- Air flow velocity/temperature, volume flow measurement, also for calculating cooling/heating performance
- -20 to +60 °C; 0.4 to 30 m/s

Order no. 0560 1410



Differential pressure measuring instrument **testo 510i**

- Measurement of low pressures, and flow measurement via pitot tube (not supplied)
- -150 to +150 hPa

Order no. 0560 1510



Infrared thermometer **testo 805i**

- Non-contact surface temperature measurement
- Measuring spot marking:
- -50 to +150 °C

Order no. 0560 1805



testo Smart Probes

Introducing testo 915i

testo 915i Thermometer with plug-in probes, operated by smartphone

- Wireless temperature measurement in the most diverse applications thanks to large selection of probes and compatibility with common Type K thermocouple probes
- Robust and fast-reaction probes for quick measurements
- Fast identification of temperature change by graph curve
- Individually available with air probe, immersion/penetration probe, surface probe or flexible probe (all TC Type K, Class 1)



testo 915i with flexible probe



Wireless Smart Probe testo 915i with flexible probe (TC Type K), incl. batteries and calibration protocol.

Order no. 0563 4915

testo 915i with air probe



Wireless Smart Probe testo 915i with air probe (TC Type K), incl. batteries and calibration protocol.

Order no. 0563 3915

testo 915i with immersion/penetration probe



Wireless Smart Probe testo 915i with immersion/penetration probe (TC Type K), incl. batteries and calibration protocol.

Order no. 0563 1915

testo 915i with surface probe



Wireless Smart Probe testo 915i with surface probe (TC Type K), incl. batteries and calibration protocol.

Order no. 0563 2915

testo 915i kit



Universal temperature kit consisting of Smart Probe testo 915i with plug-in immersion/penetration probe, air probe and surface probe in Smart Case, incl. batteries and calibration protocol.

Order no. 0563 5915

	testo 915i with flexible probe	testo 915i with air probe	testo 915i with immersion/penetration probe	testo 915i with surface probe	testo 915i kit with air probe, immersion/penetration probe and surface probe
Sensor type	TC Type K				
Measuring range	-50 to +400 °C	-50 to +400 °C		-50 to +350 °C	
System accuracy (handle testo 915i + probe)	±1.0 °C (-30 to +80 °C) ±(0.7 °C + 1 % of measured value) (-50 to -30 °C) ±(0.2 °C + 1 % of measured value) (+80 to +400°C)	±1.0 °C (-50 to +100 °C) ±1 % of measured value (remaining meas. range)		±(1.0 °C + 1 % of m.v.)	see respective columns testo 915i with air probe, immersion/penetration probe and surface probe
Resolution	0.1 °C/°F				
t ₉₀ (at 1 m/s)	3 s	60 s	3 s	3 s	
Protection class	IP40	IP20	IP40	IP20	
Probe length	800 mm	99 mm	115 mm	136 mm	
Probe diameter		Ø probe shaft 4 mm	Ø probe shaft 5 mm Ø probe tip 3 mm	Ø probe shaft 5 / 3 mm Ø probe tip 12 mm	
Probe locking	Yes (with handle testo 915i)				
Weight	96 g	99 g	99 g	110 g	

Perfect with the testo Smart App

FREE download



testo Smart App

- Wireless control of the Testo Smart Probes
- Automatic calculation of evaporation and condensation temperature, as well as superheating and sub-cooling
- Analyse measurement data, create reports, add photos and send them by email

Indispensable for AC & refrigeration plants: Electrical measurement technology.



testo 760 digital multimeter: Automatic recognition of measurement parameter/ range.

- Without manual rotary knob – prevents incorrect settings and saves on fuses
- Large, illuminated LCD for optimum legibility

testo 760-1 testo 760-2 testo 760-3

Order no. Order no. Order no.
0590 7601 0590 7602 0590 7603

Digital multimeter model comparison	testo 760-1	testo 760-2	testo 760-3
Illuminated display	✓	✓	✓
True root mean square measurement - TRMS	✗	✓	✓
µA current measuring range	✗	✓	✓
Low-pass filter	✗	✓	✓
AC/DC voltage measuring range	0.1 mV to 600 V		0.1 mV to 1,000 V
AC/DC current measuring range	1 mA to 10 A	0.1 µA to 10 A	
Temperature measuring range	✗	-20 to +50°C	
Resistance measurement	0.01 to 40.00Mohm	0.01 to 60Mohm	
Capacitance measurement	0,001nf to 100µF	0,001nf to 30,000µF	0,001nf to 60,000µF



testo 770 clamp meter: Grabs cables in all positions.

- Unique grab mechanism makes it easier to work at tight measuring points
- Can be used via Bluetooth with testo Smart Probes App and smartphone/ tablet (testo 770-3 only)

testo 770-1 testo 770-2 testo 770-3 

Order no. Order no. Order no.
0590 7701 0590 7702 0590 7703

Clamp meter model comparison	testo 770-1	testo 770-2	testo 770-3
True root mean square measurement - TRMS	✓	✓	✓
Starting current measurement	✓	✓	✓
µA current measuring range	✗	✓	✓
Bluetooth and testo Smart Probes App	✗	✗	✓
AC/DC voltage measuring range	1 mV to 600 V		
AC/DC current measuring range	0.1 to 400 A	0.1 to 600 A	
Power (watts) measurement	✗	✗	✓
Resistance measurement	0.01 to 40.00Mohm	0.01 to 60Mohm	
Capacitance measurement	10nf to 100µF		2nf to 60,00mF

testo Smart App:
 Download now for iOS or Android free of charge (testo 770-3 only)



testo 750 voltage tester: With unique all-round display.

- Clear, patented 360° all-round display is legible from all sides
- Ergonomic handle shape
- Checks residual current circuit breakers (testo 750-2/-3 only)

testo 750-1 testo 750-2 testo 750-3

Order no. Order no. Order no.
0590 7501 0590 7502 0590 7503

Voltage tester model comparison	testo 750-1	testo 750-2	testo 750-3
Patented all-round LED display	✓	✓	✓
Certified according to voltage tester standard DIN EN 61243-3:2010	✓	✓	✓
Measuring point illumination	✗	✓	✓
Single pole phase testing	✗	✓	✓
Additional LC display	✗	✗	✓
AC/DC voltage measuring range	12 to 690 V		
Continuity testing measuring range	< 500 kΩ		



testo 755 current/voltage tester: Measures voltage, current and resistances.

- Measurement result without switching on or selection
- Automatic measurement parameter detection
- Voltage range up to 1,000 V
- Current and voltage testing all in one

testo 755-1 testo 755-2
Order no. 0590 7551 Order no. 0590 7552

Current/voltage tester model comparison	testo 755-1	testo 755-2
Certified according to voltage tester standard DIN EN 61243-3:2010	✓	✓
Measuring point illumination	✓	✓
Exchangeable measuring tips	✓	✓
Single pole phase testing	✗	✓
Rotating magnetic field measurement	✗	✓
AC/DC voltage measuring range	6 to 600 V	6 to 1,000 V
Current measuring range	0.1 to 200 A AC	



testo 745 non-contact voltage tester: No other instrument is so reliable.

- Optical and acoustic signal
- 2 sensitivities (12 to 50 V / 50 to 1,000 V)
- Measuring point illumination
- Filter (LPF) for high-frequency interference signals
- Waterproof and dustproof according to IP 67

testo 745
Order no. 0590 7450
£20.00



Non-contact voltage testing on a distributor box with the testo 745.

Practical accessories for electrical measuring instruments.

Magnetic hook

For testo 760 multimeter



Order no. 0590 0001

Thermocouple adapter

For testo 760 multimeter



Order no. 0590 0002

Thermocouple adapter type K

For testo 770 clamp meter



Order no. 0590 0021

Clamp meter adapter

For testo 760-2/-3 multimeter



Order no. 0590 0003

Transport bag

For testo 760

Order no. 0590 0016

For testo 755/770

Order no. 0590 0017

For testo 750

Order no. 0590 0018



Standard measuring cables

(Angled plug)
 Tip Ø: 2 mm

Order no. 0590 0010



Standard measuring cables

(Angled plug)
 Tip Ø: 4 mm

Order no. 0590 0011



Set of crocodile clips

For use with the measuring cable 0590 0011

Order no. 0590 0009



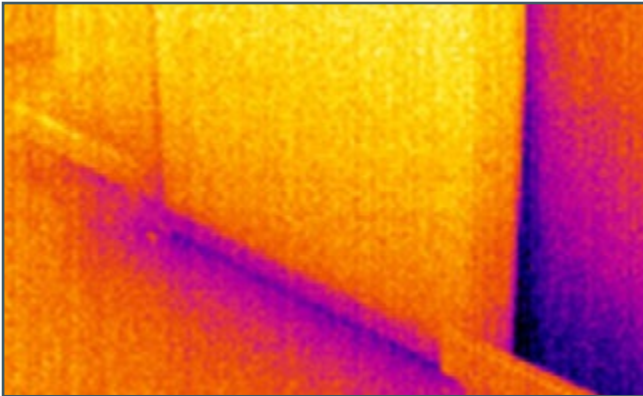
Testo thermal imaging cameras for many applications.

One of the key benefits that thermal imaging can bring is the ability to visualise temperature differences simply, and also to offer a fast and effective way to measure temperature on many applications with a non-contact method. With wide ranging applications

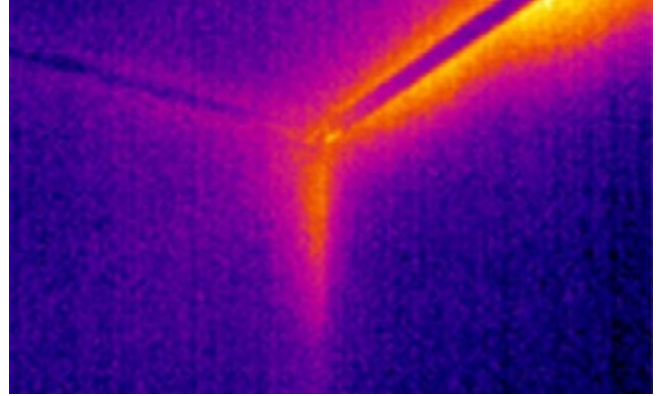
in effective preventative maintenance, a Testo thermal imaging camera can provide early indications of electrical and mechanical faults or issues.

See more to know more....

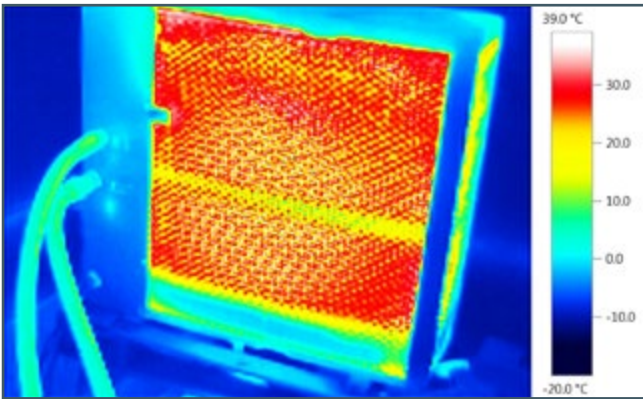
Checking cold store door air leaks



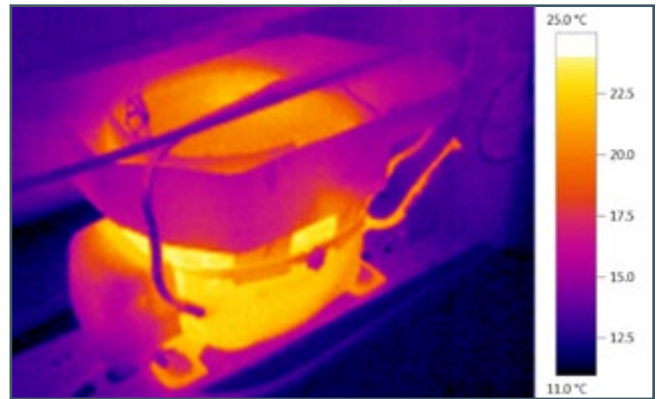
Finding poor insulation in cold stores



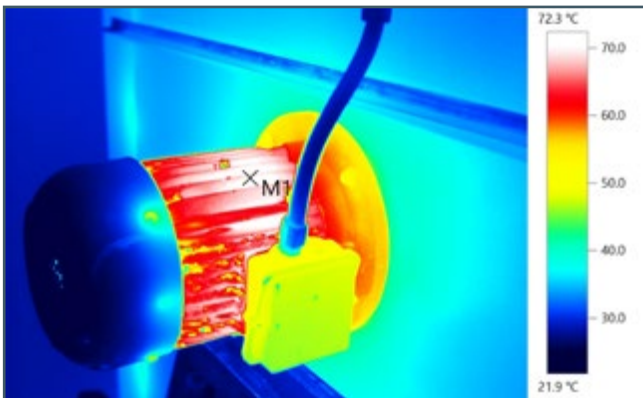
Monitoring heat pump condensers



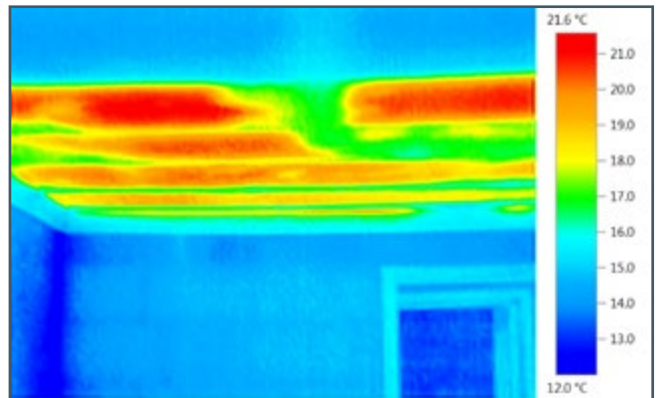
Measuring heat output from fridge compressors



Detecting heat level of motors



Discovering lack of roof insulation



First choice for refrigeration engineers: thermal imaging cameras from Testo.

testo 865s thermal imaging camera



- Infrared resolution **160 x 120 pixels** (with testo SuperResolution Technology 320 x 240 pixels)
- Thermal sensitivity 100mk/0.1 °C
- Automatic detection of hot and cold spots
- Measuring range: -20 to +280°C

Order no. 0560 8651

testo 868s thermal imaging camera



- Infrared resolution **160 x 120 pixels** (with testo SuperResolution Technology 320 x 240 pixels)
- Thermal sensitivity 100mk/0.1 °C
- Integrated digital camera
- testo Thermography App
- Measuring range: -30 to +100°C; 0 to +650°C



Order no. 0560 8684

testo 871s thermal imaging camera



- Infrared resolution **240 x 180 pixels** (with testo SuperResolution technology 480 x 360 pixels)
- Thermal sensitivity 80mk/0.08 °C
- Integrated digital camera
- Wireless measurement data transfer from testo 770-3 clamp meter for electrical thermography and testo 605i for humidity measuring instrument
- testo Thermography App
- Measuring range: -30 to +100°C; 0 to +650°C



Order no. 0560 8716

testo 872s thermal imaging camera



- Infrared resolution **320 x 240 pixels** (with testo SuperResolution Technology 640 x 480 pixels)
- Thermal sensitivity 50mk/0.05 °C
- Integrated digital camera and laser marker
- Wireless measurement data from testo 770-3 clamp meter and testo 605i humidity measuring instrument (sold separately)
- testo Thermography App
- Measuring range: -30 to +100°C; 0 to +650°C



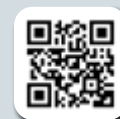
Order no. 0560 8725



testo Thermography App

- Create compact reports quickly, save them online and send them by email
- Contains helpful functions for fast, on-site analysis
- Transmit thermal images live to smartphone/tablet

Download now for iOS or Android free of charge:



Instruments for airflow measurement

testo 417

100mm vane anemometer

- Easy, fast and precise measurement of flow, volume flow and temperature at air inlets and outlets
- Efficient regulation of balanced residential ventilation and fast documentation with the testo Smart App
- Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App
- Timed and multi-point mean calculation

Technical Data

	NTC	Vane	Volume flow
Measuring range	0 to +50°C	+0.3 to +20 m/s	0 to +99,999 m ³ /h
Accuracy ±1 digit	±0.5°C	±(0.1 m/s +1.5% of m.v.)	
Display Resolution	0.1°C	0.01 m/s	0.1 m ³ /h (0 to 99.9 m ³ /h) 1 m ³ /h (+100 to +99,999 m ³ /h)

Accessories for testo 417

	Order no.
testovent 417, funnel set comprising funnel for plate outlets (Ø 200 mm) and funnel for fans (330 x 330 mm)	0563 4170
Volume flow straightener testovent 417	0554 4172
Flow straightener and funnel set	0554 4173

testo 416

16mm vane anemometer

- Direct display of the volume flow
- Multi-point and timed mean calculation
- Suitable for duct airflow measurement
- Hold button to retain the reading

Measuring range	0.6 m/s to 40 m/s
Accuracy ±1 digit	±(0.2 m/s +1% of reading)
Display Resolution	0.1 m/s

testo 425

thermal anemometer

- Measurement of flow, volume flow and temperature
- Suitable for duct airflow measurement
- Multi-point and timed mean calculation
- Max./min. values

	Thermal	NTC
Measuring range	0 to 30 m/s	-20 to +70°C
Accuracy ±1 digit	±(0.03 m/s +4% of m.v.)	±(0.5 m/s + 5% of m.v.) (20.01 to 30 m/s) ±0.5 °C
Display Resolution	0.01 m/s	0.1°C

testo 417

testo 417 100 mm vane anemometer with App connection, transport bag, calibration protocol and 3x AA batteries

Order no. 0563 0417



testo 417 kit 1

In the kit:

- Vane anemometer testo 417 100 mm vane anemometer with App connection, transport bag, calibration protocol and 3x AA batteries
- Funnel set (Ø 200 mm for plate outlets and 330 x 330 mm for fans).

Order no. 0563 1417



testo 417 kit 2

In the kit:

- Contents of kit 1 + flow straightener for swirl vents.

Order no. 0563 2417



testo 416

testo 416, vane anemometer with permanently connected 16 mm telescopic vane (max. 850 mm), includes calibration protocol and batteries

Order no. 0563 0416



testo 425

testo 425, compact thermal anemometer with permanently connected flow probe, includes temperature measurement and telescope (max. 820 mm), calibration protocol and batteries

Order no. 0563 0425



testo 535 CO₂ measuring instrument

- Simple, fast and precise measurement of CO₂ concentration
- Audible alarm sounds if a limit value is exceeded
- Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App
- High reproducibility of measurement results due to long-term stable infrared sensor technology
- Timed and multi-point mean calculation

testo 535

testo 535, CO₂ measuring instrument with App connection, audible alarm, incl. transport bag, calibration protocol and 3 x AA batteries

Order no. 0563 0535



testo 440 air velocity & IAQ instrument

The testo 440 is a multi-function instrument platform, offering a single handset capable of accepting a wide range of probes including both Bluetooth and cable types. Probes are available to cover applications such as temperature, humidity, lux, airflow, carbon

monoxide, CO₂ and IAQ (indoor air quality).

The testo 440 system is ideal for multi-discipline engineers who want to work with a single instrument.

testo 440 Hot Wire Kit

- ✓ testo 440 air velocity & IAQ measuring instrument with internal memory and data export function
- ✓ Hot wire probe including 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

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

Order no. 0563 4401



testo 440 delta P Air Flow ComboKit 2

- ✓ testo 440 dP air velocity & IAQ measuring instrument including differential pressure with internal memory & 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



Temperature measurement

testo 830-T2 and T4 infrared thermometers

- Fast readings
- Laser sighting
- Adjustable alarm limits
- Audible and visual limit alarms
- User-friendly thanks to 'pistol design'
- Backlit display
- Adjustable emission factor (0.1 to 1.0)

Infrared	testo 830-T2	testo 830-T4
Measuring range	-30 to +400 °C	-30 to +400 °C
Accuracy ±1 digit	±1.5 °C or ±1.5 % of mv (+0.1 to +400 °C) ±2 °C or ±2 % of mv (-30 to 0 °C) (the higher value applies)	±1.5 °C (-20 to 0 °C) ±2 °C (-30 to -20.1 °C) ±1 °C or ±1 % of mv (remaining range)
Resolution	0.1 °C	0.1 °C

testo 830-T2

testo 830-T2, infrared thermometer, 2-point laser sighting, 12:1 optics, adjustable limit values, alarm function, connection of external probes, incl. batteries and factory calibration certificate



Order no. 0560 8312

testo 830-T4

testo 830-T4, infrared thermometer, 2-point laser sighting, 30:1 optic, adjustable limit values, alarm function, connection of external probes, incl. batteries and factory calibration certificate



Order no. 0560 8314

Digital temperature measuring instrument **testo 925**

- Easy, fast and precise temperature measurement with thermocouple Type K probe (1 TC Type K probe included)
- Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App
- Wide range of applications due to large measuring range from -50 °C to 1000 °C
- Large sensor selection optional and compatible with commercially available TC Type K sensors
- Audible alarm sounds if a limit value is exceeded

testo 925

testo 925- 1-channel temperature measuring instrument TC Type K with App connection and audible alarm, transport bag, 2x TC Type K probe, calibration protocol and 3x AA batteries



Order no. 0563 9250

Digital differential temperature measuring instrument **testo 922**

- Easy, fast and precise differential temperature measurement with dual thermocouple Type K probe (2 TC Type K probes included)
- Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App
- Wide range of applications due to large measuring range from -50 °C to 1000 °C
- Large sensor selection optional and compatible with commercially available TC Type K sensors
- Audible alarm sounds if a limit value is exceeded

testo 922

testo 922- 2-channel temperature measuring instrument TC Type K with App connection and audible alarm, transport bag, 2x TC Type K probe, calibration protocol and 3x AA batteries



Order no. 0563 0922

Humidity measurement


Thermohygrometer with App connection **testo 625**

- Simple, fast and precise measurement of air temperature and relative humidity
- Calculation of dewpoint and wet bulb temperature
- Fast in-app configuration, graph history, second screen and measurement data memory in the testo Smart App
- Audible alarm sounds if a limit value is exceeded

Technical Data	
Measuring range	0 to +100% RH / -20 to +60°C
Accuracy ±1 digit	2.5% RH (5 to +95% RH) / ±0.5°C
Resolution	0.1% RH/0.1°C


testo 625

testo 625 humidity/temperature measuring instrument with App connection and audible alarm, transport bag, calibration protocol and 3x AA batteries



Order no. 0563 1625

testo 440 humidity kit with Bluetooth



Comprising:

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

Order no. 0563 4404

Temperature / humidity data logging

Data logging to -30°C. Ideal for simple, low-cost fridge and freezer monitoring and logging.


testo 174T

testo 174T mini data logger, 1-channel, includes wall bracket, battery (2 x CR 2032 lithium) and calibration protocol

Order no. 0572 1560

testo 174T mini data logger set, 1-channel, includes USB interface for programming and reading out the logger, wall bracket, battery (2 x CR 2032 lithium) & calibration protocol

Order no. 0572 0561



Sensor type	NTC
Measuring range	-30 to +70 °C
Accuracy ±1 digit	±0,5 °C (-30 to +70 °C)
Resolution	0.1 °C


testo 174H

testo 174H mini data logger, 2-channel, includes wall bracket, battery (2 x CR 2032 lithium) and calibration protocol

Order no. 0572 6560

testo 174H mini data logger set, 2-channel, includes USB interface for programming and reading out the logger, wall bracket, battery (2 x CR 2032 lithium) & calibration protocol

Order no. 0572 0566



Sensor type	NTC
Measuring range	-20 to +70 °C
Accuracy ±1 digit	±0.5 °C (-20 to +70 °C)
Resolution	0.1 °C
Sensor type	Testo humid. sensor, cap.
Measuring range	0 to 100 %RH*
Accuracy ±1 digit	±3 %RH (2 to 98 %RH) ±0.03 %RH/K
Resolution	0.1 %RH

RPM measurement

testo 460 non-contact rpm measurement

- Optical rpm measurement with LED measurement spot marking
- Min./max. values
- Display illumination

Order no. 0560 0460



Sensor type optical

Measuring range	100 to 29999 rpm
Accuracy ±1 digit	±(0.02 % of m.v.)
Resolution	0.1 rpm (100 to 999.9 rpm) 1 rpm (1000 to 29999 rpm)



testo 470 non-contact & contact rpm measurement

- Easy one-hand operation
- Measurement of rpm, speeds and lengths
- Storage of mean, max. and min. values as well as the last measurement value
- Measurement distance up to 600 mm (optical measurement)

Order no. 0560 0470



Sensor types	Optically with mod. light beam / contact via mechanical wheel
Measuring range	+1 to +99999 rpm
Accuracy ±1 digit	±0.02% of m.v.
Resolution	0.01 rpm (+1 to +99.99 rpm) 0.1 rpm (+100 to +999.9 rpm) 1 rpm (+1000 to +99999 rpm)
	Mechanical
Measuring range	+0.1 to +19999 rpm
Accuracy ±1 digit	±0.2% of m.v.



Testo refrigeration manifold service fast, simple, reliable

Our new manifold service & calibration pricing offers our customers a more upfront and versatile method of getting their manifolds tested, serviced & calibrated.

We offer competitive turnaround times on all testo manifolds and can also apply Tier 1 to all non-testo digital & analogue manifolds. Our Tier 2 pricing includes all labour required to exact any repairs necessary to all testo models.

Calibration includes 5 measuring points across the range of unit under test, both increasing and decreasing pressure. We also perform an extensive, heat compensated, overnight leakage test.



Refrigeration Manifolds

Calibration Name	Description	Part No.
Manifold ISO Calibration Tier 1 for testo 550i, 550s, 557s 549, 550, 557, 570	Includes: - Initial Inspection - Accuracy Test - Sensor Adjustment - 8 Hour Leak Test - On Pass – ISO Calibration - Device Cleaning	300000 5000
Manifold ISO Calibration Tier 2 for testo 550i, 550s, 557s 549, 550, 557, 570	As above, <u>plus</u> inclusive of all repair labour. N.B. Parts not included.	300000 5001



Testo can offer calibration on all new instrument sales. We also offer ISO re-calibration to all testo Flue gas & Refrigeration instruments. For further information or a quotation please get in touch with us on 01420 544433 (option 2)

