

2020  
edition

Be sure. **testo**



# Testo refrigeration measurement instrumentation.

Intuitive, efficient, reliable and accurate.

[www.testo.co.uk](http://www.testo.co.uk)



Refrigeration  
App



Smart Probes  
App

# 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 550 and 557 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 550 and 557 manifolds and Smart Probes contain stored data for over 90 refrigerants:

R114; R12; R123; R1233zd; R1234yf; R1234ze; R124; R125; R13; R134a; R22; R23; R290; R32; R401A; R401B; R402A; R402B; R404A; R407A; R407C; R407F; R407H; R408A; R409A; R410A; R414B; R416A; R420A; R421A; R421B; R422B; R422C; R422D; R424A; R427A; R434A; R437A; R438A; R442A; R444B; R448A; R449A; R450A; R452A; R452B; R453a; R454A; R454B; R454C; R455A; R458A; R500; R502; R503; R507; R513A; R600a; R718 (H<sub>2</sub>O); R744 (CO<sub>2</sub>)

Additional refrigerants are available for update via the Testo Refrigeration App:

R11; FX80; I12A; R1150; R1270; R13B1; R14; R142B; R152A; R161; R170; R227; R236fa; R245fa; R401C; R406A; R407B; R407D; R41; R411A; R412A; R413A; R417A; R417B; R417C; R422A; R426A; R508A; R508B; R600; RIS89; SP22

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

# Perfect for testing: testo Smart Probes refrigeration sets.

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.

## New: extended range and better handling

- 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.
- The connection of the new testo 549i is angled by 45° for easier mounting.

**testo Smart Probes refrigeration and AC 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      £220.00

**testo Smart Probes refrigeration and AC kit plus**

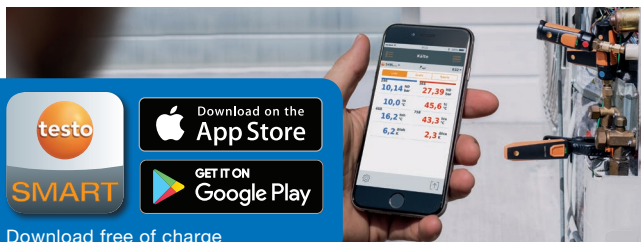
Application-specific menus: superheating and subcooling, target superheating, heating/cooling output. Consists of: 2 x testo 115i, 2 x testo 549i, 2 x testo 605i, testo large Smart Case



Order no. 0563 0002 41      £390.00

## testo Smart Probes 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




Download free of charge

**testo 605i thermohygrometer**

With smartphone operation, including batteries and calibration protocol

Order no. 0560 2605 02      £75.00





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**testo 405i thermal anemometer**

With smartphone operation, including extendible (400 mm) telescope, batteries and calibration protocol

Order no. 0560 1405      £82.00



# Perfect for efficient service: Digital manifolds testo 550 and testo 557.

## Your benefits:

- Measurement of various operational parameters with only one instrument
- Convenient adjustment thanks to real-time overview
- Automatic calculation of evaporation and condensation temperature, as well as superheating and sub-cooling
- 60 common refrigerants are stored in the instrument, selection of favourites possible. (Over 90 refrigerants available in App.)
- External pressure probe for highly precise vacuum measurements (testo 557 only)
- Structured test routines for pressure leak test (with temperature compensation) & vacuum test (testo 557 only)
- Practical sets with 2 temperature clamp probes and case
- Paperless documentation on site with the testo Refrigeration App

## testo 550 2-way digital manifold with Bluetooth

For service on refrigeration systems and heat pumps; includes 2 x temperature clamp probes, case and calibration protocol

**Order no. 0563 1551**  
**£269.00**



### testo 550 Set

Includes set of 3 hoses, 2 x temperature clamp probes and transport case

**Order no. 0563 2551**  
**£299.00**



## testo 557 4-way digital manifold with Bluetooth

For commissioning, service and maintenance; includes 2 x temperature clamp probes, external vacuum probe, batteries, case and calibration protocol

**Order no. 0563 1558**  
**£440.00**



### testo 557 Set

Includes set of 4 hoses, 2 x clamp temperature probes, precise external Pirani gauge for vacuum measurement and transport case

**Order no. 0563 2558**  
**£460.00**



**Pro tip:** Complement your digital manifold with additional probes.

### Velcro pipe wrap probe

For pipe diameter to max. 75 mm, Tmax. +75 °C, NTC, Fixed cable length 1.5 m

**Order no. 0613 4611**

**£67.00**



### Air probe

Precise, robust NTC air probe

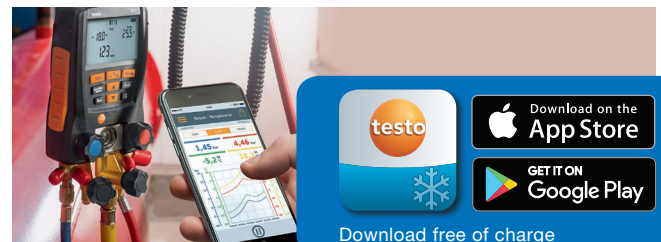
**Order no. 0613 1712**

**£58.00**



## testo refrigeration App:

- Monitor the evaporation and condenser temp/pressures and superheat/subcool
- Easy refrigerant update
- Create reports, adds photos of the measurement location and send by email



Download free of charge

# Other digital manifolds.

## testo 549 2-way digital manifold

The ideal measuring instrument for precise pressure and temperature measurement for general servicing tasks:

- Calculation of superheating and subcooling in real time (with optional clamp probe)
- Temperature-compensated leakage test
- Supplied without temperature probes (required for SH/SC display and leak test)

**Order no. 0560 0550      £219.00**



## testo 570 4-way digital manifold with data logging function

For all measurements on a heat pump or refrigeration system with 4-way valve block, additional connection options and an external probe for accurate vacuum measurements.

### testo 570-1 Set

Including 1 x clamp probe, batteries and calibration protocol



**Order no. 0563 5701      £499.00**

### testo 570-2 Set

Including 2 x clamp probes, transport case, software, USB data cable, mains unit, batteries and calibration protocol

**Order no. 0563 5702      £649.00**



Products compared	Analogue 	testo Smart Probes Refrigeration set 
Integrated temperature measurement	-	✓
Pressure measurement accuracy	> 1 %fs	±0.5 %fs
Identical pressure measuring range HP/LP	-	up to 60 bar
Four-way valve manifold	Product-specific	-
Internal memory, documentation	-	With the App
Refrigerant update by customer	-	Possible on site via App
Automatic absolute pressure measurement	-	-
Heat pump mode	-	-
Temperature-compensated tightness test	-	-
Vacuum measurement	-	-
Optional "EasyKool" software	-	-
App and Bluetooth	-	✓

## Further instruments.

### testo 316-3 leakage detector

Detects all HFCs, HCFCs & HFO's eg. R-407A, R-407F, R-450A, R-454C, R-452B, R-32 \* Includes sensor head, transport case, calibration protocol, batteries and filter

**Order no. 0563 3163    £179.00**



### testo 316-4 leakage detector

For CFC, HFC, HCFC, H2, including refrigerant sensor head, case, mains unit and earphones

**Order no. 0563 3164    £349.00**



### testo 552 Bluetooth digital vacuum / torr gauge

Precise, rugged and practical. Ideal for evacuating refrigerant systems or heat pumps.

Measurement data monitoring and dispatch via testo Smart Probes App

Visual alarm and backlit display

Measures pressure and calculates the evaporation temperature of H<sub>2</sub>O automatically



**Order no. 0560 5522  
£135.00**



Download free of charge

**testo 549**



**testo 550**



**testo 557**



**testo 570**



✓ (up to 2 temperature probes)	✓ (up to 2 temperature probes)	✓ (up to 2 temperature probes)	✓ (up to 3 temperature probes)
±0.5 %fs	±0.5 %fs	±0.5 %fs	±0.5 %fs
up to 60 bar	up to 60 bar	up to 60 bar	up to 50 bar
–	–	✓	✓
–	With the App	With the App	Reporting via EasyKool PC software
–	Possible on site via App	Possible on site via App	Update via EasyKool software and PC
–	–	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
Indication	Indication	Highly precise with external probe	Accurate and robust
–	–	–	✓
–	✓	✓	–

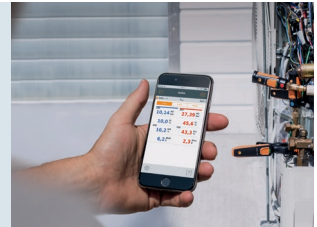
\* Full list of refrigerants detectable by the testo 316-3: All HFCs, CFCs, HCFCs and HFO's e.g. FX80, I12A, R11, R114, R12, R123, R1234yf, R1234ze, R124, R125, R12a, R13, R134a, R13B1, R14, R142b, R161, R22, R227, R23, R236fa, R245fa, R32, R401A, R401B, R401C, R402B, R403B, R404A, R406A, R407A, R407B, R407C, R407D, R407F, R408A, R409A, R410A, R411A, R412A, R413A, R414B, R416A, R417A, R417B, R417C, R420A, R421A, R421B, R422A, R422B, R422C, R422D, R424A, R426A, R427A, R434A, R437A, R438A, R448A, R449A, R452A, R500, R502, R503, R507, R508A, R508B, R1233zd, R450A, R455A, R513A, R407H, R444B, R452B, R453a, R454A, R454B, R454C, R458A, SP22

# 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

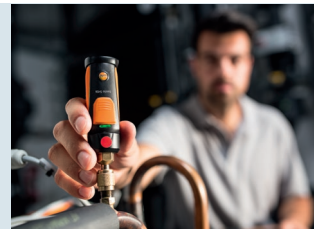
**Order no. 0560 2115 02      £49.00**



## 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      £59.00**



## 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      £75.00**



## 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      £82.00**



## 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      £69.00**



## **testo 510i** Differential pressure measuring instrument

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

**Order no. 0560 1510      £77.00**



## **testo 805i** Infrared thermometer

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

**Order no. 0560 1805      £69.00**



## **testo 905i** Thermometers

- Reliable measurement of air temperatures
- -50 to +150 °C

**Order no. 0560 1905      £59.00**



## Free testo Smart Probes App





# 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
<b>Order no.</b> 0590 7601	<b>Order no.</b> 0590 7602	<b>Order no.</b> 0590 7603
<b>£59.00</b>	<b>£99.00</b>	<b>£139.00</b>

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 +500°C	

## 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
<b>Order no.</b> 0590 7701	<b>Order no.</b> 0590 7702	<b>Order no.</b> 0590 7703
<b>£89.00</b>	<b>£119.00</b>	<b>£149.00</b>

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	✗	✗	✓

**testo Smart Probes App:**  
Download now for iOS or Android  
free of charge



## 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
<b>Order no.</b> 0590 7501	<b>Order no.</b> 0590 7502	<b>Order no.</b> 0590 7503
<b>£29.00</b>	<b>£49.00</b>	<b>£65.00</b>

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

<b>testo 755-1</b>	<b>testo 755-2</b>
<b>Order no. 0590 7551</b>	<b>Order no. 0590 7552</b>
<b>£79.00</b>	<b>£99.00</b>

**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**  
**£19.00**



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**      **£18.90**

Thermocouple adapter  
 For testo 760 multimeter



**Order no. 0590 0002**      **£21.90**

Thermocouple adapter type K  
 For testo 770 clamp meter



**Order no. 0590 0021**      **£21.90**

Clamp meter adapter  
 For testo 760-2/-3 multimeter



**Order no. 0590 0003**      **£89.00**

Transport bag

<b>For testo 760</b>	<b>For testo 755/770</b>	<b>For testo 750</b>
<b>Order no. 0590 0016</b>	<b>Order no. 0590 0017</b>	<b>Order no. 0590 0018</b>
<b>£21.90</b>	<b>£21.90</b>	<b>£21.90</b>



Standard measuring cables  
 (Angled plug)  
 Tip Ø: 2 mm



**Order no. 0590 0010**      **£16.90**

Standard measuring cables  
 (Angled plug)  
 Tip Ø: 4 mm



**Order no. 0590 0011**      **£16.90**

Set of crocodile clips  
 For use with the measuring cable 0590 0011



**Order no. 0590 0009**      **£16.90**

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

## testo 865 thermal imaging camera



- Infrared resolution 160 x 120 pixels (increases to 320 x 240 pixels with SuperResolution)
- Thermal sensitivity 0.12 °C
- Measuring range: -20 to +280°C
- Automatic detection of hot and cold spots
- IFOV warmer
- testo ScaleAssist
- Pro PC software

Order no. 0560 8650 £699.00

## testo 868 thermal imaging camera



- Infrared resolution 160 x 120 pixels (increases to 320 x 240 pixels with SuperResolution)
- Thermal sensitivity 0.10 °C
- Measuring range: -30 to +100°C; 0 to +650°C
- Automatic detection of hot/cold spots
- IFOV warmer
- Integrated digital camera
- Thermography App
- testo ScaleAssist
- testo ε-Assist
- Pro PC software

Order no. 0560 8681 £1,099.00

## testo 871 thermal imaging camera



- Infrared resolution 240 x 180 pixels (increases to 480 x 360 pixels with SuperResolution)
- Thermal sensitivity 0.09 °C
- Measuring range: -30 to +100°C; 0 to +650°C
- Automatic detection of hot/cold spots
- IFOV warmer
- Integrated digital camera
- Thermography App
- testo ScaleAssist
- testo ε-Assist
- Pro PC software
- Measurement mode for detecting areas with danger of mould
- Bluetooth connectivity to testo 605i thermohygrometer and testo 770-3 clamp meter (both options)

Order no. 0560 8712 £1,590.00

## testo 872 thermal imager building inspection kit (with FREE testo 605i Smart Probe)

**NEW FOR 2020**  
testo 872 now  
with free  
testo 605i



- Infrared resolution 320 x 240 pixels (increases to 640 x 480 pixels with SuperResolution)
- Thermal sensitivity 0.06 °C
- Measuring range: -30 to +100°C; 0 to +650°C
- Includes free testo 605i smart probe
- Automatic detection of hot/cold spots
- IFOV warmer
- Integrated digital camera & laser marker
- Thermography App
- testo ScaleAssist
- testo ε-Assist
- Pro PC software
- Min/max/average on area
- Measurement mode for detecting areas with danger of mould
- Bluetooth connectivity with clamp meter testo 770-3 (option)

Order no. 0560 8721 £2,150.00



### testo Thermography App for testo 868, 871 and 872

- 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 vane anemometer

- Measurement of flow, volume flow and temperature
- Flow direction detection
- Multi-point and timed mean calculation

	NTC	Vane	Volume flow
Measuring range	0 to +50°C	+0.3 to +20 m/s	0 to +99,999 m³/h
Accuracy ±1 digit	±0.5°C	±(0.1 m/s +1.5% of m.v.)	
Resolution	0.1°C	0.01 m/s	0.1 m³/h (0 to +99.9 m³/h) 1 m³/h (+100 to +99,999 m³/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	170.00
Volume flow straightener testovent 417	0554 4172	83.00
Flow straightener and funnel set	0554 4173	229.00

### testo 417

testo 417, vane anemometer with integrated 100 mm vane, including temperature measurement, calibration protocol and battery

**Order no. 0560 4170**  
**£279.00**



### testo 417 funnel set

Set comprising:

- Vane anemometer testo 417 with integrated 100-mm vane, including temperature measurement, battery and calibration protocol
- Funnel set (Ø 200 mm for plate outlets and 330 x 330 mm for fans)

**Order no. 0563 4171**  
**£345.00**



## testo 416 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 +1.5% of m.v.)
Resolution	0.1 m/s

### testo 416

testo 416, vane anemometer with permanently connected 16 mm telescopic vane (max. 890 mm), includes calibration protocol and battery

**Order no. 0560 4160**  
**£380.00**



## 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 +20 m/s	-20 to +50°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

### testo 425

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

**Order no. 0560 4251**  
**£349.00**



# 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, CO<sub>2</sub> 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

m/s

°C



Comprising:


- ✓ 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**

**Price**               **£399.00**

## testo 440 16 mm Vane Kit

m/s



Comprising:

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

**Order no.**           **0563 4401**

**Price**               **£439.00**

## testo 440 delta P Air Flow ComboKit 2 with BT

m/s

°C

hPa

%RH



Comprising:

- ✓ 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**

**Price**               **£1,249.00**

# 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**  
**Price £50.00**



### 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**  
**Price £79.00**



### testo 830-T4 Set

testo 830-T4 with protective leather case, incl. cross-band surface probe (0602 0393), battery and factory calibration certificate

**Order no. 0563 8314**  
**Price £135.00**

## testo 925 / testo 922 thermometers

- Ideal for application in the heating, air conditioning and ventilation areas
- With optional radio probes
- Display of differential temperature (testo 922)

Measuring range	-50 to +1000°C
Accuracy ±1 digit	±(0.5°C +0.3% of m.v.) (-40 to +900°C) ±(0.7°C +0.5% of m.v.) (remaining measuring range)
Resolution	0.1°C (-50 to +199.9°C) 1°C (remaining measuring range)

### testo 925

testo 925, 1-channel temperature measuring instrument TC type K, audible alarm, one optional radio probe can be connected, includes calibration protocol and batteries

**Order no. 0560 9250**  
**Price £79.00**



### testo 922

testo 922, 2-channel temperature measuring instrument TC type K, one optional radio probe can be connected, includes calibration protocol and batteries

**Order no. 0560 9221**  
**Price £109.00**



Robust air probe, TC type K, fixed cable 1.2 m Order No. 0602 1793 £48.70	
Watertight immersion/penetration probe, TC type K, fixed cable 1.2 m Order No. 0602 1293 £33.90	
Quick-action surface probe with sprung thermocouple strip, measuring range briefly up to +500°C, TC type K, fixed cable 1.2 m Order No. 0602 0393 £99.00	

Pipe wrap probe for pipe diameters of 5 to 65 mm, with replaceable measuring head, measuring range briefly up to +280°C, TC type K, fixed cable Order No. 0602 4592 £104.00	
Clamp probe for measurements on pipes, pipe diameters of 15 to 25 mm (max. 1"), measuring range briefly up to +130°C, TC type K, fixed cable Order No. 0602 4692 £53.00	

# Humidity measurement

## testo 625 humidity/temperature measuring instrument

- Display of temperature and relative humidity, wet bulb temperature and dew point
- Min./max. values
- Display illumination

Measuring range	0 to +100% RH / -10 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, includes plug-in humidity probe head, calibration protocol and batteries



**Order no. 0563 6251**  
**Price £175.00**

## testo 440 humidity kit with Bluetooth

°C

%RH

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**  
**Price £359.00**

# 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 Price £39.90**

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 Price £99.00**

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 Price £70.00**

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 Price £125.00**

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      Price £115.00**

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 and 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      Price £230.00**

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.





# Calibration Services

Testo UK calibration laboratory in Alton is certified to provide calibration certification under ISO and UKAS standards.

For further information or a quotation, please contact the calibration department by calling **+44 1420 544 433** and selecting option 4 or by email on **calibration@testo.co.uk**

## Refrigeration Manifolds

Calibration Name	Description	Part No.	Price £
<b>Manifold ISO Calibration Tier 1</b> for testo 549, 550, 557, 570	Includes: - Initial Inspection - Accuracy Test - Sensor Adjustment - 8 Hour Leak Test - On Pass – ISO Calibration - Device Cleaning	300000 5000	£65
<b>Manifold ISO Calibration Tier 2</b> for testo 549, 550, 557, 570	As above, <u>plus</u> inclusive of all repair labour. N.B. Parts not included.	300000 5001	£85

## Manometers and Barometers

Calibration Name	Description	Part No.	Price £
ISO Pressure Calibration for testo 510, 510i, 312, 440, 549i	ISO calibration across range 5 calibration points increase/decrease	300520 0018	£55
UKAS Pressure Calibration for testo 510, 510i, 312, 440, 549i	UKAS calibration across range 5 calibration points increase/decrease	300520 0116	£72
ISO Barometer Calibration for testo 511, IAQ, 480, 435	ISO calibration at 900, 950, 1000, 1050, 1100 mbar abs	300520 0119	£55
UKAS Barometer Calibration for testo 511, IAQ, 480, 435	UKAS calibration at 900, 950, 1000, 1050, 1100 mbar abs	300520 0120	£72

## Smart Probes

Calibration Name	Description	Part No.	Price £
testo Smart Probe Refrigeration Set 2 x testo 549i and 2 x testo 115i	testo 549i: 5 points across the range testo 115i: -18, 40 °C *	ISO 300000 6004	£121
testo Smart Probe VAC Set testo 405i, testo 410i, testo 605i and testo 805i	testo 405i: 3 points across the range testo 410i: 3 points across the range testo 605i: 11, 75 %RH at 25 °C * testo 805i: 40, 120 °C *	ISO 300000 6005	£197
testo Smart Probe Heating Set testo 115i, testo 805i and testo 510i	testo 115i: -18 / 40 °C * testo 510i: 5 points across the range testo 805i: 40 / 120 °C *	ISO 300000 6006	£109
testo 115i	-18, 0, 65 °C *	ISO 300520 0038	£75
testo 549i	5 points over measuring range	ISO 300520 0018	£55
testo 605i	11, 45, 75 %RH at 25 °C *	ISO 300520 0078	£127
testo 405i	3 airflow points over measuring range	ISO 300520 0012	£99
testo 410i	3 airflow points over measuring range	ISO 300520 0012	£99
testo 510i	5 pressure points over measuring range	ISO 300520 0018	£55
testo 805i	40, 80, 120 °C *	ISO 300520 0042	£75
testo 905i	-18, 0, 65 °C *	ISO 300520 0038	£75

\* Alternative points available on request

# Calibration Services

## Thermometers

Calibration Name	Description	Part No.	Price £
testo 925/922 with air probe (0602 1793)	-18, 0, 65 °C *	ISO 300520 0038	£75
testo 925/922 with immersion probe (0602 1293)	-18, 0, 65 °C *	ISO 300520 0038	£75
testo 925/922 with surface probe (0602 0393)	50, 100, 150 °C *	ISO 300520 0080	£75
testo 925/922 with pipe wrap probe (0602 4592)	-18, 0, 65 °C *	ISO 300520 0038	£75
testo 925/922 with clamp probe (0602 4692)	-18, 0, 65 °C *	ISO 300520 0038	£75
testo 174T	-20, 15, 50 °C *	ISO 300520 0043	£75
testo 830-T2, testo 830-T4	40, 80, 120 °C *	ISO 300520 0042	£75
* Alternative points available on request			

## Hygrometers

Calibration Name	Description	Part No.	Price £
testo 625, testo 440 humidity kit, testo 174H	11, 45, 75 %RH at 25 °C Alternative points available on request	ISO 300520 0078	£127

## Thermal Imaging Cameras

Calibration Name	Description	Part No.	Price £
testo 865, testo 868, testo 871 testo 872, testo 875i	20, 40, 60, 80, 100, 120 °C Alternative points available on request	ISO 300520 0114	£107

## RPM/Tachometers

Calibration Name	Description	Part No.	Price £
testo 460, testo 470	50, 500, 1000, 5000, 9000 RPM	ISO 300520 0100	£46

## Electrical

Calibration Name	Description	Part No.	Price £
testo 760	Multimeter calibration	ISO 300520 6003	£33
testo 770	Clamp meter calibration	ISO 300520 6002	£33
testo 750	Voltage tester calibration	ISO 300520 6012	£35
testo 755	Current/voltage calibration	ISO 300520 6002	£33
testo 745	NCV conformity test	ISO 300520 0028	£35

## Air Velocity

Calibration Name	Description	Part No.	Price £
testo 417, testo 416, testo 425, testo 400 hot wire/16 mm vane kits	Five points over measuring range	UKAS 300520 0300	£135

# How To Videos

A range of practical videos to help you get the most out of your Testo instruments. Simply click on the QR Code to view.

## testo 549/550/557 Basic Settings



## testo 570 Temperature Tightness Testing



## testo 549/550/557 Switching Measurement Values



## testo 316-3 Leak Detection



## testo 549/550/557 Refrigeration App Connection



## testo Smart Probes App Reporting



## testo 549/550/557 Refrigeration App Reporting



## testo Smart Probes App System Performance



## testo 549/550/557 Refrigeration App Views



## testo Smart Probes App Basic Functions



## testo 557 Selecting Measurement Modes



## testo Smart Probes App Refrigeration Measurements



## testo 550 Selecting Measurement Modes



