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## HVAC/R Instrumentation

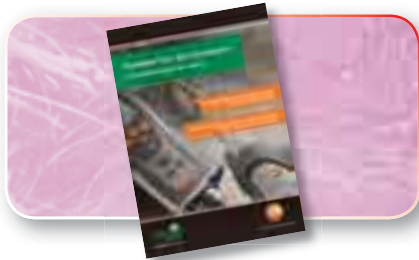
2010



## Product Highlights

### Portable Flue Gas Analysers

#### A Practical Guide for Users Training DVD



Are you a heating engineer who is unsure about how to use a flue gas analyser and doesn't understand the many advanced features? Our training DVD ROM is easy to work through on your PC. Buy online at [www.testodirect.co.uk](http://www.testodirect.co.uk).

Part Number

300000 7777

Price

£9.99

[Testodirect.co.uk](http://Testodirect.co.uk)



Testo have launched a new webshop, helping you to make online purchases quickly and easily. There is a wide range of HVAC/R products available to purchase. You can also book you service/calibration online. Visit [www.testodirect.co.uk](http://www.testodirect.co.uk) to find out more

### Testo 875 Thermal Imaging Camera



Even the smallest temperature differences can be identified with the Thermal Sensitivity of the Testo Thermal Imaging camera. The Testo 875 is a high quality thermal imager which can be used to discover anomalies and weak points for a wide range of applications. Find out more on page 16.

### Testo 550 Digital Refrigeration Manifold



The Testo 550 provides high performance at an affordable starting price of £235.00 Easy to use, versatile and uncomplicated, the Testo 550 is an ideal instrument for commissioning systems. Find out more on pages 32.



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# Testo 327-1

## Multi-Purpose Flue Gas Analyser

An easy-to-use flue gas analyser for all parameters.

- 3 year instrument and sensor warranty
- Measures draught
- For use with natural gas, LPG, kerosene, heavy and light oil, wood pellets\*
- Measures CO, CO<sub>2</sub>, O<sub>2</sub>, ratio and efficiency
- Measures differential temperature and differential pressure
- Ambient CO build up test
- Features timed tightness and let by tests
- Simple menu for selecting measurement options
- Fast 30 second set up time
- Robust and shock-proof due to Elastomer protection skin
- IRDA interface to optional Testo infrared printer
- Independently tested to EN 50379
- CO accuracy independently certified to BS7967

Please see page 5 for accessories

### Technical Data

Temperature	-40 to 600 °C
Draught / Pressure	$\Delta P1 \pm 40$ mbar, $\Delta P2 \pm 200$ mbar
O <sub>2</sub>	0 to 21 Vol. %
CO	0 to 4,000 ppm
CO <sub>2</sub>	calculated

\* Not available until March

\*\* conditions apply



*Fixed 5 Year Service Contract & Extended Warranty available*  
*3 day Service & Calibration from £79.00\*\**

### Testo 327-1 Standard Kit

Includes Testo 327-1 analyser, flue gas probe (180mm x 6mm diameter), mains unit and carry case

Part Number 0563 3203 70

Price **£530.00**

### Testo 327-1 Advanced Kit

Includes Testo 327-1 analyser, flue gas probe (180mm x 6mm diameter), mains unit, differential hose kit, differential temperature kit, immersion/air probe, Testo infrared printer and carry case

Part Number 0563 3203 71

Price **£750.00**



# Testo 327-2

## Multi-Purpose Flue Gas Analyser

The Testo 327-2 has the additional features of:

- Data storage (20 measurements)
- Optional H<sub>2</sub> compensated CO sensor
- Sensor diagnosis
- Download to PDA or printer (with Bluetooth model only)
- Optional Bluetooth software

### Testo 327-2 Bluetooth Standard Kit

Includes Testo 327-2 analyser, flue gas probe (180mm x 6mm diameter), mains unit and carry case

Part Number 300563 3277

Price **£758.00**

### Testo 327-2 Bluetooth Advanced Kit

Includes Testo 327-2 analyser, flue gas probe (180mm x 6mm diameter), mains unit, differential hose kit, differential temperature kit, immersion/air probe, Testo infrared printer and carry case

Part Number 300563 3278

Price **£975.00**



*Fixed 5 Year Service Contract & Extended Warranty available  
3 day Service & Calibration from £79.00\**

## Accessories

Description	Part Number	Price £
Crocodile clip temperature probe	300900 0009	58.10
Temperature probe adaptor	0440 1261	46.20
Differential temperature set including adaptor	0554 1208	62.70
Pressure hose connection set	0554 1203	23.40
B1 gas cooker grill probe (to BS7967)	300002 7967	61.70
B2 angled probe for open flue applications (to BS7967)	300001 7967	56.00
Testo fast printer	0554 0549	157.00
Testo easyheat software with analysis and graphics function, online measurement	0554 3332	132.00
Testo easyheat mobile software with PDA mobile function	0554 1210	269.00
BS7967 firmware upgrade - software upgrade	300327 7967	26.50
Immersion/air probe	300602 2730	24.50
IRDA Printer with mains unit	0554 0548	243.00
Filters x 10	0554 0040	13.30
Fixed 5 Year Service Contract & Extended Warranty for Testo 327 (See page 39 for further information)	300000 3272	99.00

\* conditions apply



# Testo 330 LL

## Flue Gas Analyser with Long-Life Sensors



**5 Year Instrument  
and Sensor Warranty**  
**5 Year Service  
Contract available**  
**3 day Service &  
Calibration from £79.00\*\***

### Our comprehensive advanced analyser for the discerning installer and heating engineer.

- For use with natural gas, LPG, heavy and light oil, coal, anthracite, coke, propane, butane and wood pellets\*
- Long life O<sub>2</sub> and CO sensors lasting up to 6 years
- Save up to £500 with the elimination of 2 sensor changes
- Measures and displays flue gas, oxygen, temperature and carbon monoxide
- Calculates CO/CO<sub>2</sub> ratio, CO<sub>2</sub> and efficiency
- Timed CO test
- Features timed tightness and let by test
- Measures draught
- Gas rating test
- Optional probes to measure ambient CO, CO<sub>2</sub> and gas leakage
- Memory storage
- CO accuracy independently certified to BS 7967
- Extensive range of sets available - see page 6
- Bluetooth connectivity to PDA or printer (Bluetooth models only)













\* Not available until March  
\*\* conditions apply

### Please see page 7 for sets

Technical Data	Testo 330-1 LL	Testo 330-2 LL
Temperature	-40 to 1,200 °C	-40 to 1,200 °C
Draught	-9.99 to +40 mbar	-9.99 to +40 mbar
Pressure	0 to +200 mbar	0 to +200 mbar
CO	0 to 4,000 ppm	0 to 8,000 ppm
CO (with H <sub>2</sub> compensation)	-	8,000 to 30,000 ppm
Efficiency (Eta)	0 to 120 %	0 to 120 %
Flue gas loss	0 to 99.9 %	0 to 99.9 %
O <sub>2</sub>	0 to 21 % Vol.	0 to 21 % Vol.
Ambient (with CO probe)	0 to 500 ppm	0 to 500 ppm
Gas leak for combustible gases	0 to 10,000 ppm CH <sub>4</sub> /C <sub>2</sub> H <sub>6</sub>	0 to 10,000 ppm CH <sub>4</sub> /C <sub>2</sub> H <sub>6</sub>
CO <sub>2</sub>	0 to CO <sub>2</sub> max.	0 to CO <sub>2</sub> max.










# Testo 330

Description	Part Number	Price £
<b>Testo 330-1 </b> Professional Set for the Domestic Installer and Heating Engineer Includes Testo 330-1  analyser, power supply/charger, flue gas probe (180mm x 6mm diameter) and carry case	0563 3324 70	<b>£1,016.00</b>
<b>Testo 330-1 </b> Bluetooth Professional Set for the Domestic Installer & Heating Engineer Includes Testo 330-1  analyser with Bluetooth connectivity, power supply/charger, flue gas probe (180mm x 6mm diameter) and carrying case	300563 3306	<b>£1,187.00</b>
<b>Testo 330-1 </b> Professional Set with Printer Also includes Testo infrared printer and pack of 6 paper rolls	0563 3324 71	<b>£1,182.00</b>
<b>Testo 330-1 </b> Bluetooth Professional Set with Printer Also includes Testo infrared printer and pack of 6 paper rolls	300563 3307	<b>£1,360.00</b>
<b>Testo 330-2 </b> Professional Set for the Commercial Installer and Service Engineer Includes Testo 330-2  analyser, power supply/charger, flue gas probe (300mm x 8mm diameter) and carry case	0563 3325 70	<b>£1,238.00</b>
<b>Testo 330-2 </b> Bluetooth Professional Set for the Commercial Installer & Service Engineer Includes Testo 330-2  analyser with Bluetooth connectivity, power supply/charger, flue gas probe (300mm x 8mm diameter) and carrying case	300563 3308	<b>£1,479.00</b>
<b>Testo 330-2 </b> Professional Set With Printer Also includes Testo infrared printer and pack of 6 paper rolls	0563 3325 71	<b>£1,407.00</b>
<b>Testo 330-2 </b> Bluetooth Professional Set with Printer Also includes Testo infrared printer and pack of 6 paper rolls	300563 3309	<b>£1,652.00</b>

## Testo 330 Accessories

Please see page 6 for technical data

Description	Part Number	Price £
Crocodile clip temperature probe 	300900 0009	58.10
Temperature probe adaptor (for use with 300900 0009)	0440 1261	46.20
Differential temperature set including adaptor	0554 1208	62.70
Pressure hose connection set	0554 1203	23.40
Ambient CO probe 	0632 3331	311.00
Ambient CO <sub>2</sub> probe 	0632 1240	521.00
Connection cable for ambient CO <sub>2</sub> probe	0430 0143	37.40
Gas leak detector probe 	0632 3330	206.00
B1 gas cooker grill probe (to BS7967)	300002 7967	61.70
B2 angled probe for open flue applications (to BS7967)	300001 7967	56.00
Testo Fast Printer	0554 0549	157.00
Testo 330  software with analysis and graphics function, online measurement	0554 3332	132.00
Testo 330  software with PDA mobile function	0554 1210	269.00
Testo 330  USB connection cable	0449 0047	20.30
BS7967 firmware upgrade - software upgrade	300330 7967	33.70
Immersion/air probe	300602 2730	24.50
IRDA Printer with mains unit	0554 0548	243.00
Filters x 10	0554 3385	13.30
Fixed 5 Year Service Contract for Testo 330 (See page 39 for further information)	300000 3273	90.00



# Testo 327-1 O<sub>2</sub> Model

## Flue Gas Analyser for Oil Boiler Servicing



*Fixed 5 Year Service Contract & Extended Warranty available  
3 day Service & Calibration from £79.00\*\**

### The simple flue gas analyser for oil boiler servicing.

- Measures draught
- For use with kerosene, light and heavy oil, and wood pellets\*
- Measures O<sub>2</sub> and efficiency
- Measures differential temperature and differential pressure with optional probes
- Simple menu for selecting measurement options
- Fast 30 second set up time
- Robust and shock-proof due to Elastomer protection skin
- IRDA interface to optional Testo infrared printer
- Independently tested to EN 50379
- 3 year instrument and sensor warranty

#### Technical Data

Temperature	-40 to 600 °C
Draught/Pressure	P1 ±40 mbar, P2 ±200 mabr
O <sub>2</sub>	0 to 21 Vol. %
CO <sub>2</sub>	0 to 4,000 ppm
CO <sub>2</sub>	calculated

\* Not available until March

\*\* conditions apply

### Testo 327-1 O<sub>2</sub> Standard Kit

Testo 327-1 analyser, flue gas probe (180mm x 6mm diameter), mains unit and carry case

Part Number 300563 3280

Price **£470.00**





# Testo 308 Digital Smoke Tester

## For Oil Boiler Servicing

Testo 308 provides a digital read out of smoke numbers, via automatic pump. Ideal for oil heating engineers.

- Digital read-out of the smoke number
- Automatic feed of smoke paper
- Repeatable, accurate measurements every time
- Automatic calculation of average smoke number
- Time saving through a fully automatic pump
- Readings unaffected by condensation
- IR- and IrDa-interfaces for wireless communication
- Backlit display



### Technical Data

Pump	1.63 ± 0.07 ltr/min
Weight	Ca 350g
Size	95 x 60 x 250 cm

Description	Part Number	Price £
Testo 308, includes mains unit, carry case	0563 3080	352.00
Testo 308 Bluetooth, includes mains unit, carry case	0563 3090	464.00
Testo 308 plus Accessories, includes mains unit, carry case, steel cone & filter paper	300563 3088	360.00
Testo 308 Bluetooth plus Accessories, includes mains unit, carry case, steel cone & smoke paper rolls (8 rolls)	300563 3087	476.00

### Testo Pressure Gauge Set

Vacuum and pressure gauge set comprising 0 to -1 bar vacuum gauge, 0 to 25 bar pressure gauge, plus adapters and 3-way valve all in a convenient carry case



Part Number 300554 0438

Price **£76.50**

### Testo Smoke Pump

Smoke tester including smoke paper sheet, smoke chart and cone



Part Number 300554 0307

Price **£104.00**

Accessories	Part Number	Price £
Testo 308 smoke paper (8 rolls)	0554 0146	18.50
Particle filters	0554 1101	10.80
Cone for smoke pump	0554 9010	10.50
Smoke sheets for manual smoke pump (40 pieces)	0554 0308	4.60
Testo fast printer	0554 0549	157.00



# Testo 535

## CO<sub>2</sub> Monitor

Poor air quality can lead to tiredness, lack of concentration and illness due to high CO<sub>2</sub> concentrations. The Testo 535 is an efficient CO<sub>2</sub> measuring instrument for accessing indoor air quality. The Testo 535 is also ideal for checking ventilation in commercial kitchens and schools to ensure compliance.

- Monitoring based on maximum and mean calculation
- Long-term stable 2 channel infrared sensor
- On-site printouts available with Testo infrared printer (optional)
- Repeated calibration unnecessary



### Technical Data

Probe type	2 channel infrared sensor
Measuring range	0 to +9,999 ppm CO <sub>2</sub>
Accuracy	±50 ppm CO <sub>2</sub> ±2% of mv (0 to +5,000 ppm CO <sub>2</sub> ) ±100 ppm CO <sub>2</sub> ±3% of mv (+5,001 to +9,999 ppm CO <sub>2</sub> )
Resolution	1 ppm CO <sub>2</sub>

### Testo 535 CO<sub>2</sub> Set

CO<sub>2</sub> measuring instrument with attached probe, soft zip case, batteries and calibration protocol

Part Number 300563 5350

Price **£363.00**

Accessories	Part Number	Price £
TopSafe protection case	0516 0183	25.70
Mains unit	0554 1143	73.10
Testo fast printer	0554 0549	157.00

# Testo 315-2

## CO Detection Monitor

- Reliable CO warning
- Adjustable alarm limits with audible and visual alarm
- Automatic zero point calibration
- Readings may be printed with optional printer (see page 37)



### Technical Data

Measuring range	0 to +2,000 ppm CO
Accuracy	±10 ppm CO (0 to +100 ppm CO) ±10% of mv (+100 to +2,000 ppm CO)
Resolution	1 ppm CO

### Testo 315-2 CO Monitor

CO warning instrument with battery and calibration protocol

Part Number 0632 0317

Price **£256.00**



# Testo 316-2

## Gas Leak Detector

Gas Leak Detection for Pipe Work

- Optical and audible alarm with bar display for increasing and dangerous gas concentrations
- Trend display shows max leakage
- Integrated pump
- Flexible measuring probe for inaccessible areas
- Earplug connection for secure leakage localisation in loud surroundings

### Testo 316-2 Gas Leak Detector

Electronic gas leak detector with flexible measurement probe, including case, mains charger and earplug

Part Number

0632 3172

Price

£85.70



# Testo 316-1

## Gas Leak Detection for Pipe Work

- Small diameter sensor head
- Bendable measurement probe for inaccessible pipes
- Quick reaction time
- Optical and audible alarm if limit value is exceeded

### Technical Data

Measuring range	0 to 10,000 ppm CH <sub>4</sub>
1st alarm limit	From 200 ppm CH <sub>4</sub>
2nd alarm limit	10,000 ppm CH <sub>4</sub>



### Testo 316-1 Gas Leak Detector

Electronic gas leak detector with flexible probe, including battery

Part Number

0632 0316

Price

£183.00



# Testo 317-3

## CO Detection Monitor

- Visual and audible alarm
- Adjustable alarm threshold
- CO zeroing on site
- Instrument can be used immediately (no zero phase required)



### Technical Data

Measuring range	0 to +1,999 ppm CO
Accuracy	±10 ppm (0 to +99 ppm) ±10% (+100 to +499 ppm)
Resolution	1 ppm

### Testo 317-3 CO Monitor

CO monitor set, includes leather pouch, headphones, hand strap and battery

Part Number 0632 3173

Price **£129.00**

# Testo 317-2

## Gas Leak Detector

- Sensor self-test following switch-on
- Audible signal confirms Testo 317-2 is ready for use
- Increasing visual and audible alarm with rising gas concentration
- Continuous sound if alarm threshold is exceeded
- Battery status indicated on display



### Technical Data

Measuring range	0 to 20,000 ppm CH <sub>4</sub>	0 to 10,000 C <sub>2</sub> H <sub>6</sub>
Alarm thresholds	10,000 ppm CH <sub>4</sub>	5,000 C <sub>2</sub> H <sub>6</sub>
Lower response thresholds	100 ppm CH <sub>4</sub>	50 C <sub>2</sub> H <sub>6</sub>
Display	8 segment bar graph trend display	

### Testo 317-2 Gas Leak Detector

Gas leak detector including leather pouch, hand strap and battery

Part Number 0632 3172

Price **£85.70**



# Low Cost Thermometers



## Testo Mini Surface Thermometer

For quick and easy surface temperature measurement. Measuring range of -50 to +250 °C accuracy, 120 mm long

Part Number 0560 1109

Price **£26.50**

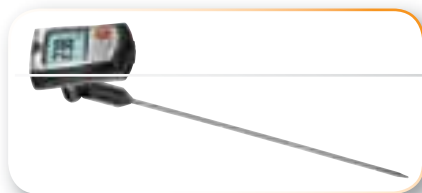


## Testo Waterproof Mini Thermometer

Waterproof thermometer for simple temperature spot checks. Measuring range of -40 to +230 °C with up to 0.3 °C accuracy, 120 mm long

Part Number 0560 1112

Price **£18.40**



## Testo 905-T1 Compact Penetration Thermometer

Compact penetration thermometer with 180° swivel head. Measuring range of -50 to +350 °C (short-term to +500 °C), with up to 1 °C accuracy

Part Number 0560 9055

Price **£56.10**



## Testo 905-T2 Compact Surface Thermometer

Compact surface thermometer with spring loaded thermocouple head and 180° swivel head. Measuring range of -50 to +350 °C (short-term to +500 °C), with  $\pm 1$  °C accuracy  $\pm 1$  % mv

Part Number 0560 9056

Price **£74.50**



# Testo 922/925

## Contact Temperature Measurement

Fast action Type K thermometers offering a wide measurement range. For use with both corded and optional wireless probes.

### Testo 925

- 1 channel measuring instrument
- Audible alarm sounds if limited value is exceeded
- Continuous display of max/min values
- Hold button to freeze reading
- Backlit display

#### Technical Data

Probe Type	Type K (NiCr-Ni)
Measuring range	-50 to +1,000 °C
Accuracy	±(0.5 °C +0.3 % of mv)
±1 digit	(-40 to +900 °C) ±(0.7 °C +0.5 % of mv) (remaining range)
Resolution	0.1 °C (-50 to +199.9 °C) 1 °C (remaining range)

### Testo 925 Thermocouple Thermometer

1 channel, Type K thermometer with audible alarm, battery and calibration protocol

Part Number 0560 9250

Price **£71.40**

### Testo 922 HVAC Kit

Includes Testo 922 thermometer, 2 Velcro pipe wrap probes, waterproof immersion probe and carry case

Part Number 300563 9221

Price **£109.00**



### Testo 922

- 2 channel measuring instrument
- Line display
- Cyclical printing of readings (with optional printer)
- Continuous display of max/min values
- Hold button to freeze reading
- Backlit display

### Testo 922 Differential Thermometer

2 channel, Type K thermometer with battery and calibration protocol

Part Number 0560 9221

Price **£193.00**

Accessories	Part Number	Price £
TopSafe protection case for 922/925	0516 0222/0516 0221	19.60
Robust air probe, T/C Type K	0602 1793	42.10
Waterproof immersion/penetration probe	0602 1293	42.10
Velcro temperature probes (2 off)	300602 0001	48.00



# Testo 810 Pocket Line

## Air and Surface Temperature Measurement

Technical Data		
	Surface	Air
Measuring range	-30 to +300 °C	-10 to +50 °C
Accuracy	±2.0 °C (-30 to +100 °C) ±2 % of m.v. (remaining range)	±0.5 °C
Resolution	0.1 °C	0.1 °C



### Innovative pocket sized measurement technology for air and surface temperature measurement.

- Surface temperature IR measurement with 1-point laser spot marking and 6:1 optics
- Air temperature measurement
- Display of differential temperature e.g. between surface and air
- Hold function and max/min values

### Testo 810

Includes Testo 810, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number	0560 8010
Price	£83.40

# Testo 830

## Infrared Thermometers with Laser Sighting

### The Testo 830 series of fast and versatile infrared thermometers offer 1 and 2 point laser sighting.

Common features of the Testo 830 series:

- Laser sighting
- Adjustable alarm limits
- Connection of external temperature probes
- Audible and visual alarm if limits are exceeded
- Easy handling thanks to the ergonomic "pistol" design
- Backlit display
- Adjustable emissivity factor (0.2 to 1.0)



Additional advantages of the Testo 830-T2:

- Exact 2-point sighting
- Connection of external temperature probes

Technical Data	Testo 830-T1		Testo 830-T2	
	Infrared	Infrared	Infrared	Type K (NiCr-Ni)
Measuring range	-30 to +400 °C		-50 to +500 °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) whichever value is the greater		±(0.5 °C ±0.5 % of mv)	
Resolution	0.5 °C	0.5 °C	0.1 °C	
Lens	10:1	12:1	n/a	

### Testo 830-T1

Testo 830-T1, infrared thermometer with 1 point laser sighting

Part Number	0560 8301
Price	£103.00

### Testo 830-T2

Testo 830-T2, infrared thermometer with 2 point laser sighting and connection of external probes

Part Number	0560 8302
Price	£141.00



# Testo 875 series Thermal Imaging Cameras



The Testo 875 Thermal Imaging Camera is an ideal tool for tracing faults in hot water heating systems. System blockages and leaks can be identified in most situations. Common uses include checking under floor heating, radiators, pipe work and the effectiveness of power flushing. The Testo 875 can even be used for energy efficiency monitoring, building heat loss and potential mould growth. Features include:

- Large 3.5" display with high resolution image
- Exchangeable wide angle (32°) and telephoto lens
- Thermal sensitivity <math><0.08^{\circ}\text{C}</math>, (80mK)\*
- Integrated digital camera, (875 -2)
- Minimum focus distance – 10cm
- Auto Hot / Cold Spot Recognition
- Save up to 1,000 images to SD memory card
- Powerful software with full reporting features

## Technical Data

	Testo 875-1	Testo 875-2
Thermal sensitivity (NETD)	<math><0.08^{\circ}\text{C}</math> at 30 °C (80mK)*	
Image display	3.5" LCD with 320 x 240 pixel	
Detector type / size	FPA 160 x 120 pixel	
Temperature range	-20 to 100 °C 0 to +280 °C (switchable)	
Integrated Digital Camera	No	Yes
Storage capacity	1GB (approx 800-1,000 images)	
Weight	900g	
Dimensions	152 106 x 262 mm	





Product	Testo 875-1	Testo 875-2	Testo 875-2 Professional Set
High quality wide angle lens 32° (as std)	●	●	●
Image refresh rate	9 Hz	9 Hz	9 Hz
Detector 160 x 120 interpolated to 320 x 240 pixels on Display	●	●	●
NETD < 0.08°C, (80mK)* Thermal Sensitivity	●	●	●
Focus Min Focus Distance 10cm	Manual	Manual	Manual
1 GB SD data storage	●	●	●
Capacity to change Lenses	-	●	●
USB cable, Tripod Mounting Plate	●	●	●
Li-ion battery & Mains unit adaptor	●	●	●
Testo IR software	●	●	●
Automatic Hot / Cold spot recognition	●	●	●
Display of surface moisture Distribution (manual input)	-	●	●
Lens protection glass	●	●	●
Integrated digital camera	-	●	●
Telephoto lens	-	●	●
Additional battery	●	●	●
Fast charger	●	●	●
Sunshield	●	●	●

Part Number	0560 8751	0560 8752	0563 8752
Price	£2,595.00	£3,395.00	£4,495.00

● Standard ● Optional – Not available.

\*Enhanced thermal sensitivity (80mK) is available from March. Current thermal sensitivity is 110mK.



# Testo 175-T

## Temperature Data Logger Range

Testo 175-T temperature data loggers for uninterrupted monitoring of air temperatures.

- Memory up to 16,000 readings
- 1 line clear LCD display
- Optional surface temperature measurements (Testo 175-T3 only)
- Eliminates time needed for paper records
- Secure data even if the battery expires (typical life of 2.5 years)



Technical Data			
	Testo 175-T1	Testo 175-T3	
Sensor type	NTC (internal)	Type T	Type K
Measuring range	-35 to +70 °C	-50 to +400 °C	-50 to +1,000 °C
Accuracy	±0.5 °C (-20 to +70 °C)	±0.5 °C (-50 to +70 °C)	0.7% of mv (+70.1 to +1,000 °C)
±1 digit	±1 °C (-35 to +20.1 °C)	±0.7 % of mv (+70.1 to +400 °C)	±0.5 °C (-50 to +70 °C)
Resolution	0.1 °C (-20 to +70 °C) 0.3 °C (-35 to -20.1 °C)	0.1 °C	
Memory	7,800	16,000	
Battery life	Up to 2.5 years		

### Testo 175-T1 Data Logger

Temperature data logger, 1 channel, internal sensor. Supplied with wall holder and calibration protocol

Part Number 0563 1754

Price **£91.70**

### Testo 175-T3 Data Logger

Temperature data logger, 2 channels, 2 external probe sockets. Supplied with wall holder and calibration protocol

Part Number 0563 1756

Price **£159.00**

Accessories - Testo 175-T3	Part Number	Price £
Flexible thermocouple Type K probe, 800mm, fibreglass	0602 0644	15.70
Velcro pipe wrap probes (2 off)	300802 0001	48.00

# Testo 175-S

## Current/Voltage Data Logger Range

Testo's current/voltage data loggers guarantee uninterrupted monitoring of current signals.

- Memory of 16,000 readings
- Eliminates time needed for paper records
- 1 line clear LCD display (Testo 175-S2 only)
- Secure data even if the battery expires

Technical Data	
Measuring range	0 to 1 V / 0 to 10 V 0 to 20 mA +4 to 20 mA
Accuracy	±2 mV (0 to 1 V)
±1 digit	±20 mV (1 to 10 V) ±0.05 mA (0 to 20 mA) ±0.05 mA (4 to 20 mA)
Resolution	1 mV (0 to 1 mV) 10 mV (1 to 10 V) 0.01 mA (0 to 20 mA) 0.01 mA (4 to 20 mA)
Memory	16,000
Battery life	Up to 2.5 years

### Testo 175-S1 Data Logger

Current/voltage data logger without display, 1 channel with external terminal block. Supplied with wall holder and calibration protocol

Part Number 0563 1759

Price **£160.00**

### Testo 175-S2 Data Logger

Current/voltage data logger with display, 1 channel with external terminal block. Supplied with wall holder and calibration protocol

Part Number 0563 1761

Price **£241.00**



# Testo 175-H2

## Humidity Data Logger

Testo's compact humidity/temperature logger with display, provides a fast on-site overview of current readings.

- Humidity sensor for long term stability
- Secure data even if the battery expires
- No need for paper records

Technical Data	
Measuring range	-20 to +70 °C 0 to 100% rh
Accuracy	±1 digit
± 1 digit	± 3% rh
Resolution	0.1 °C 0.1% rh
Memory	16,000
Sensor type	NTC and humidity capacitive sensor
Battery life	Up to 2.5 years

### Testo 175-H2 Data Logger

Humidity/temperature logger, 2 channels with internal sensors, wall holder and calibration protocol

Part Number	0563 1758
Price	<b>£224.00</b>



## Legionella Kit

Reduce the risk of Legionella by using our recommended kit for logging water temperature.

Accessories	Part Number	Price £
Testo 175-T3 data logger (see page 15 for details)	0563 1756	159.00
Velcro pipe wrap probes (2 off)	300602 0001	48.00
ComSoft software with USB interface	0554 1766	98.90
<b>TOTAL PRICE</b>		<b>295.90</b>

## Accessories



### Testo 580 Data Collector with USB Interface

Collects the data from your loggers and downloads this to a PC via the connection cable, without the need to remove loggers from their location. Can also be used to stop and re-set the loggers

Part Number	0554 1764
Price	<b>£207.00</b>



### Testo 575 Fast Printer and Logger Control

Infrared printer that prints straight from any Testo product (with print function), without the need for PC connection. Can also be used to stop and re-set data loggers

Part Number	0554 1775
Price	<b>£303.00</b>



### ComSoft Basic for 175 USB interface

Testo ComSoft software enables you to monitor, save and print logger data. Once downloaded, data can be shown in a table or graph format

Part Number	0554 1766
Price	<b>£98.90</b>



# Testo 510

## Digital Manometer

Innovative pocket sized measurement technology for differential pressure measurement.

- Measuring range of 0 to 100 mbar
- Gas pressure and flue draught measurement
- Duct flow velocity measurement with Pitot tube
- Air density and temperature compensated



Technical Data	
Measuring range	0 to 100 mbar
Accuracy	±0.03 mbar (0 to 0.30 mbar) ±0.05 mbar (0.31 to 1.00 mbar) ±0.1 mbar +1.5 % of m.v. (1.01 mbar to 100 mbar)
Resolution	0.01 mbar

### Testo 510

Includes Testo 510, connection hoses and adaptor, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number	300563 0510
Price	<b>£125.00</b>

# Testo 511

## Absolute Pressure, Barometric Pressure and Altitude

Innovative pocket sized measurement technology for pressure measurement.

- Absolute pressure accuracy ±3 mbar
- Calculation of barometric pressure
- Barometric altitude measurement



Technical Data	Pressure
Measuring range	300 to 1,200 mbar
Accuracy	±3.0 mbar
Resolution	0.1 mbar

### Testo 511

Includes Testo 511, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number	0560 0511
Price	<b>£142.00</b>

Accessories	Part Number	Price £
Silicon hose	0554 0448	14.60



# Testo 312-2 & 312-3 Manometers – 40/200 & 300/6,000 mbar

- Fitted brass connections
- Clear 2 line LCD display
- Time and alarm when limits are exceeded
- Switchable precision range with a high resolution



The Testo 312-2 measures low pressure from 40/200 mbar compared to the Testo 312-3 model which measures high pressure from 300/6,000 mbar (DVGW approval according to TRGI).

## Testo 312-2 Manometer

Includes alarm display, battery and calibration protocol

Part Number 0632 0313

Price **£225.00**

## Testo 312-3 Manometer

Includes alarm display, battery and calibration protocol

Part Number 0632 0314

Price **£291.00**

### Technical Data

	Testo 312-2		Testo 312-3	
	-40 to +40 mbar	-200 to +200 mbar	-300 to +300 mbar	-6,000 to +6,000 mbar
Measuring range	-40 to +40 mbar	-200 to +200 mbar	-300 to +300 mbar	-6,000 to +6,000 mbar
Accuracy $\pm 1$ digit	$\pm 1.5\%$ of mv (+3 to +40 mbar) $\pm 0.03$ mbar (0 to +3 mbar)	$\pm 0.5\%$ of mv (0 to +50 mbar) $\pm 2$ mbar (+50 to +200 mbar)	$\pm 0.5$ mbar (0 to +50 mbar) $\pm 1.5$ mbar (+50 to +300 mbar)	$\pm 2\%$ of mv (+400 to +2,000 mbar) $\pm 4\%$ of mv (+2,000 to +6,000 mbar)
Resolution	0.01 mbar (-40 to +40 mbar)	0.1 mbar (-200 to +200 mbar)	0.1 mbar (-300 to +300 mbar)	1 mbar (-6,000 to +6,000 mbar)

Accessories	Part Number	Price £
Pressure Drop set for 312 series	0554 3153	102.00
Test Pump > 6000 mbar	0554 3157	29.60
Connecting tube	0554 3158	19.30

# Testo 312-4

## Differential Pressure Meter

A differential pressure meter for gas and water with 2 pressure ranges. This model includes logging capability and temperature measurement.

- Integrated differential pressure sensor
- Integrated calculation of the pipe volume and the leakage amount
- Possibility to connect a high pressure probe for inspection of water pipes and preliminary inspection
- Gas pressure control inspection (recording measured value for 24 hrs)
- Logger function
- Data transmission to PC software including analysis
- Several probes can be connected (large probe range)
- Additional: volume flow calculation, temperature measurement



Technical Data	
Pressure 1 (instrument)	Meas. Range: 0...200 hPa Accuracy: $\pm 3$ Pa (0...3 hPa) $\pm 1.5\%$ of mv (3...40 hPa) $\pm 2$ hPa of fsv (40...200 hPa)
Pressure 2 (high pressure probe)	Meas. Range 0...15 bar 0.01 bar (= 10 mbar)
$^{\circ}\text{C}$	Meas. Range: depending on the temperature sensor Accuracy: $\pm 0.4^{\circ}\text{C}$ (-100...+200) $\pm 1^{\circ}\text{C}$ (remaining measuring range)

### Testo 312-4 Basic Kit

Includes hose set, balloon pump, 2 conical test plugs, pressure set, printer and system case

Part Number 0563 1327

Price **£743.00**

### Testo 312-4 High Pressure Kit

Includes differential pressure gauge, hose set, balloon pump, 2 conical test plugs, pressure set, 3 high pressure plugs, printer and carry case

Part Number 0563 1328

Price **£928.00**

Accessories	Part Number	Price £
Testo pump (up to 6000 mbar)	0554 3157	29.60
9V rechargeable battery	0515 0025	23.30
Charger for 9V battery	0554 0025	25.00
Pipe wrap probe	0600 4593	124.00
Surface temperature probe with sprung thermocouple	0604 0194	126.00
Testo 312 software with analysis and graphics function, online measurement	0554 3332	132.00
Cable RS232, connects instrument to PC	0409 0178	32.70
High pressure probe	0638 1743	182.00



# Testo 512

## Differential Pressure and Flow Meter



- Range of 4 instruments offering a choice of flow units and pressure units, including hPa, kPa, psi and in H<sub>2</sub>O
- Built-in density compensation
- Hold/max/min function
- Backlit display

NB: 1 hPa = 1 mbar

### Testo 512 – 0 to 2 hPa

Part Number 0560 5126

Price **£335.00**

### Testo 512 – 0 to 20 hPa

Part Number 0560 5127

Price **£318.00**

### Testo 512 – 0 to 200 hPa

Part Number 0560 5128

Price **£309.00**

### Testo 512 – 0 to 2,000 hPa

Part Number 0560 5129

Price **£318.00**

#### Technical Data

	Testo 512 0 to 2 hPa		Testo 512 0 to 20 hPa		Testo 512 0 to 200 hPa		Testo 512 0 to 2,000 hPa	
Probe type	Internal Pressure Probe	Pitot Tube	Internal Pressure Probe	Pitot Tube	Internal Pressure Probe	Pitot Tube	Internal Pressure Probe	Without flow, without bar
Measuring range	0 to +2 hPa	+2 to +17.5 m/s	0 to +20 hPa	+5 to +55 m/s	0 to +200 hPa	+10 to +100 m/s	0 to +2,000 hPa	
Resolution	0.001 hPa	0.1 m/s	0.01 hPa	0.1 m/s	0.1 hPa	0.1 m/s	1 hPa	
Overload	±10 hPa		±200 hPa		±2,000 hPa		±4,000 hPa	
Accuracy ±1 digit	0.5% of fsv		0.5% of fsv		0.5% of fsv		0.5% of fsv	

Accessories	Part Number	Price £
TopSafe protection case	0516 0221	18.40
Stainless steel Pitot tube, 350 mm long, Ø 7 mm	0635 2145	102.00
Silicone connection hose, 5 m, max load 700 hPa	0554 0440	34.20
Transport case for measuring instrument and probes	0516 0201	29.60

# Testo 610

## Humidity and Temperature Measurement

**Innovative pocket sized measurement technology for air temperature and humidity checks.**

- Reliable and stable measurement with Testo humidity sensor
- 2.5 %rh accuracy with calibration protocol
- Includes dewpoint and wet bulb calculation
- Useful aid for dampness and air quality investigations



### Testo 610

Includes Testo 610, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number 0560 0610

Price **£128.00**

Technical Data	Temperature	Humidity
Measuring range	-10 to +50 °C	0 to 100 %rh
Accuracy	±0.5 °C	±2.5 %rh (5 to 95 %rh)
Resolution	0.1 °C	0.1 %rh

# Testo 605-H1

## Mini Thermohygrometer

- Dew point calculation (-20 to +50 °C td)
- °180 swivel head for easy measurement readings
- Auto off function
- Humidity sensor unaffected by condensation
- Duct holder and multi-function clip for quick positioning



### Testo 605-H1

With multi-purpose clip, duct holder, battery and instruction manual

Part Number 0560 6053

Price **£82.40**

Technical Data	
Measuring range	+5 to +95 %rh 0 to +50 °C
Parameters	%rh / °C / °F / °C td
Resolution	0.1 %rh / 0.1 °C
Accuracy	±3 %rh / ±0.5 °C





# Testo 625 Thermohygrometer



- Displays temperature and relative humidity / wet bulb temperature / dew point temperature
- Max / Min / Hold functions
- Backlit display
- Patented humidity sensor. Guaranteed for 2 years long-term stability
- Probe can be used either attached to the instrument or via optional probe handle and cable

## Testo 625 Thermohygrometer



Includes plug-in humidity probe head, battery and calibration protocol

Part Number 0563 6251

Price **£186.00**

### Technical Data

	NTC Probe	Testo capacitive humidity sensor
Measuring range	-10 to +60 °C	0 to +100 %rh
Accuracy ±1 digit	±0,5 °C	±2,5 %rh (+5 to +95 %rh)
Resolution	0,1 °C	0,1 %rh

Accessories	Description	Part Number	Price £
	Wireless module, for conversion to use with wireless probes	0554 0188	25.20
	Wireless handle, for attached probe head 	0554 0189	66.60
	Cable and handle, for plug in humidity probe head 	0430 9725	31.20
	TopSafe protection case	0516 0221	17.00
	Zipper case for instrument and probes	0516 0210	17.70

# Testo 622 & 623

## Temperature, Humidity and Barometric Pressure Measurement

**Ideal for monitoring ambient conditions in buildings, offices, warehouses.**

Testo 622 Temperature, Humidity and barometric Pressure Instrument

- Large display showing current measurement values, date and time.
- Adjustable calibration reminder function
- Calibration and adjustment of the measuring instrument possible on site (with additional software)

- Histogram shows humidity and temperature overview of the past few days of up to 12 weeks
- Bars of histogram show mean values of selected time ranges
- Large easy to read display



Part Number 0560 6220

Price **£229.00**

Part Number 0560 6230

Price **£199.00**

Technical Data	Temperature	Humidity	Barometric Pressure (622 only)
Measuring range	-10 to +60 °C	0 to 100 %rh	300 to 1200 hPa
Accuracy	±0,4 °C + 1 digit	±2%RH + 1 digit at 25 °C (10 to 90%), ± hPa + 1 digit	
Resolution	0,1 °C	0,1 %RH	0,1 hPa



# Testo 606

## Material Moisture, Air Temperature and Humidity

Available in two models:

- Testo **606-1** material moisture
- Testo **606-2** material moisture, air temperature and humidity
- Measurement of wood moisture
- Air temperature and humidity for monitoring drying process
- Curves for cement, concrete, plaster etc

Technical Data			
	Moisture	Temperature (Testo 606-2 only)	Humidity (Testo 606-2 only)
Measuring range	0 to 90 %	-10 to +50 °C	0 to 100 %rh
Accuracy	±1 % (conductivity)	±0.5 °C	±2.5 %rh (5 to 95 %rh)
Resolution	0.1 %	0.1 °C	0.1 %rh



### Testo 606-1 Material Moisture

Includes Testo 606-1, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number 0560 6060

Price **£85.00**

### Testo 606-2 Material Moisture, Air Temperature and Humidity

Includes Testo 606-2, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number 0560 6062

Price **£151.00**

# Testo 410

## Air Velocity, Temperature and Humidity Measurement

**Innovative pocket sized measurement technology for wind or air velocity, temperature and humidity measurement.**

Available in two models:

- Testo **410-1** wind or air velocity and temperature
- Testo **410-2** wind or air velocity, temperature and humidity
- Integrated 40 mm vane
- Timed mean value calculation
- Windchill factor calculation for outdoor areas
- Measurement units include m/s, km/h, mph, fpm, beaufort and knots

Technical Data	Flow velocity	Temperature	Humidity (Testo 410-2 only)
Measuring range	0.4 to 20 m/s	-10 to 50 °C	0 to 100 %rh
Accuracy	±(0.2 m/s + 2 % of m.v.)	±0.5 °C	±2.5 %rh (5 to 95 %rh)
Resolution	0.1 m/s	0.1 °C	0.1 %rh



### Testo 410-1 for Air Velocity and Temperature

Includes Testo 410-1, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number 0560 4101

Price **£91.70**

### Testo 410-2 for Air Velocity, Temperature and Humidity

Includes Testo 410-2, wrist strap, belt holder, protective cap, calibration protocol and batteries

Part Number 0560 4102

Price **£142.00**



# Testo 405-V1

## Mini Anemometer

- Measures air velocity, volume flow and temperature
- m/s and m<sup>3</sup>/h (volume flow calculation 0 to 99,990 m<sup>3</sup>/h)
- °180 swivel head for easy measurement readings
- Telescopic extendable probe, up to 30 cm
- Duct holder and multi-function clip for quick positioning

### Technical Data

Measuring range	0 to +10 m/s -20 to +50 °C
Accuracy ±1 digit	±0.1 m/s ±5% of mv (0 to +2 m/s) ±0.3 m/s ±5% of mv (+2.1 to +10m/s) ±0.5 °C
Resolution	0.01 m/s 0.1 °C



### Testo 405-V1

Includes duct holder, multi function clip and battery

Part Number 0560 4053

Price **£102.00**

# Testo 417

## Large-Area Vane Anemometer

- Fixed 100 mm Ø vane to measure flow, volume flow and temperature
- Indicates direction of flow
- Multi point and timed mean calculation
- Max/min values
- Hold button to freeze readings
- Backlit display

### Technical Data

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



### Testo 417 Anemometer

Includes battery and calibration protocol

Part Number 0560 4170

Price **£278.00**

### Accessories

2 attachable funnels – 200 x 200 mm and 330 x 300 mm

### Part Number

0563 4170

### Price £

123.00

# Testo 416

## Compact Vane Anemometer

- Attached 16 mm vane probe on a telescopic handle (maximum length 890 mm)
- Direct display of volume air flow
- Multi-point or timed mean calculation
- Max/min values
- Hold button to freeze readings
- Backlit display

### Technical Data

Measuring range	+0.6 to +40 m/s
Accuracy $\pm 1$ digit	$\pm(0.2 \text{ m/s} + 1.5 \% \text{ of mv})$
Resolution	0.1 m/s



### Testo 416 Anemometer

Includes battery and calibration protocol

Part Number 0560 4160

Price **£388.00**

# Testo 425

## Compact Thermal Anemometer

- Attached thermal probe on a telescopic handle (max length 820 mm)
- Temperature, air flow and volume air flow measurement
- Multi-point and timed mean calculation
- Max/min values
- Hold button to freeze readings
- Backlit display

### Technical Data

Probe type	Thermal	NTC
Measuring range	0 to +20 m/s	-20 to +70 °C
Accuracy $\pm 1$ digit	$\pm(0.03 \text{ m/s} + 5\% \text{ of mv})$	$\pm 0.5 \text{ °C}$ (0 to +60 °C) $\pm 0.7 \text{ °C}$ (remaining range)
Resolution	0.01 m/s	0.1 °C



### Testo 425

#### Thermal Anemometer

Includes battery and calibration protocol

Part Number 0560 4251

Price **£354.00**

### Accessories

TopSafe protection case

Part Number

0516 0221

Price £

18.40



# Testo 435

## Multi-Function Measuring Instrument for VAC and IAQ

The Testo 435 offers air conditioning engineers, a single instrument that can measure all of the key parameters needed to determine Indoor Air Quality (IAQ) and the efficient installation and maintenance of Ventilation and Air Conditioning (VAC) systems.

Common features of the Testo 435 series:

- Wide selection of probes (see page 31 for details)
- To measure temperature, humidity, velocity, CO, CO<sub>2</sub>, differential pressure, turbulence/draughts, light (lux)
- Print out on-site with optional Testo infrared printer

Specific model features:

- Integrated differential pressure measurement (Testo 435-3/-4, not retrofittable)
  - for flow measurement (with Pitot tube)
  - for monitoring filters, room pressures
- Extended instrument function (Testo 435-2/-4, not retrofittable)
  - Instrument store for 10,000 readings (logging capability)
  - PC software for analysing, archiving and documenting measurement data
  - Humidity probes option, for wireless connection
  - Connections for lux and comfort level probes (optional)



Please see pages 30, 31 for Testo 435 Kits

Technical Data				
Model	Testo 435-1	Testo 435-2	Testo 435-3	Testo 435-4
Additional Features			Integrated Differential Pressure Measurement	Integrated Differential Pressure Measurement
		Data Logging		Data Logging
	Includes battery and calibration protocol	Includes readings memory, PC software, USB cable, battery	Includes built-in differential pressure, battery and calibration protocol	Includes built-in differential pressure, readings memory, PC software, USB cable, battery and calibration protocol
Part Number	0560 4351	0563 4352	0560 4353	0563 4354
Price	£348.00	£430.00	£541.00	£626.00



# Testo 435 continued

## Testo 435-2 IAQ Kit 1

Measures/Logs Temperature, Humidity & CO<sub>2</sub>  
Includes PC software, USB cable, battery,  
calibration protocol, transport case & IAQ probe

Part Number 300563 4358

Price **£1,041.00**

## Testo 435-2 IAQ Kit 2

Measures/Logs Temperature, Humidity,  
CO<sub>2</sub> & CO  
Includes PC software, USB cable, battery,  
calibration protocol, transport case, IAQ probe  
& CO ambient probe

Part Number 300563 4359

Price **£1,394.00**

## Testo 435-4 IAQ Kit

Measures/Logs Temperature, Humidity, CO<sub>2</sub>,  
Absolute Pressure, Differential Pressure and  
Velocity (with optional Pitot tube)

Part Number 300563 4354

Price **£1,241.00**

0632 1535

0635 1535

0635 2045

0635 9535

0635 9335



### Technical Data

	Testo 435-1/-2/-3/-4						Testo 435-3/-4
Probe Type	NTC	Type K (NiCr-Ni)	Testo capacitive humidity sensor	Vane	CO <sub>2</sub> (IAQ probe)	Absolute pressure probe	Differential pressure probe, internal
Measuring Range	-40 to +150 °C	-200 to +1,370 °C	0 to +100 %rh	0 to +60 m/s	0 to +10,000 ppm CO <sub>2</sub>	0 to +2,000 mbar	0 to +25 mbar
Accuracy ± 1 digit	±0.2 °C (-25 to +74.9 °C) ±0.4 °C (-40 to -25.1 °C) ±0.4 °C (+75 to +99.9 °C) ±0.5% of mv (remaining range)	±0.3 °C (-60 to +60 °C) ±0.5% of mv (remaining range)	± 2% RH (+2 to +95%RH)		(± 50 ppm CO <sub>2</sub> ± 2% of mv) - 0 to 5,000 ppm (± 100 ppm CO <sub>2</sub> ± 3% of mv) + 5001 to 10,000 ppm CO <sub>2</sub>		±0.02 mbar (0 to +2 mbar) 1% of mv (remaining range)
Resolution	0.1 °C	0.1 °C	0.1 %rh	0.01	1 ppm	0.1 mbar	0.01 mbar

Accessories

Part Number

Price £

Testo 616 for non-destructive testing of moisture levels in wood and building materials

0560 6160

273.50



## Testo 435-2 VAC Kit

Measures/Logs Temperature, Humidity, Velocity (vane & hot wire probe)  
Includes PC software, USB cable, battery, calibration protocol, transport case, 100mm vane probe and 3 function thermal probe

Part Number 300563 4356

Price **£1,142.00**

## Testo 435-4 VAC Kit

Measures/Logs Temperature, Humidity, Velocity (vane probe or with optional Pitot tube), Absolute Pressure and Differential Pressure

Part Number 300563 4355

Price **£1,470.00**

## Testo 435-2 Kitchen VAC Kit

Measures/Logs Temperature, Humidity, CO, CO<sub>2</sub> & Velocity  
Includes PC software, USB cable, battery, calibration protocol, transport case, IAQ probe and 3 function thermal probe

Part Number 300563 4357

Price **£1,462.00**



Accessories	Part Number	Price £
Wireless radio module	0554 0188	27.20
Wireless radio handle for plug-in heads, including T/C adapter	0551 0189	74.50
Thermocouple probe head, attachable to wireless handle	0602 0394	48.10
Humidity probe head, attachable to wireless handle	0636 9736	138.00
Humidity/temperature probe	0636 9735	249.00
Indoor air quality probe	0632 1535	550.00
Vane measurement probe, 16mm	0635 9535	337.00
Vane measurement probe, 60mm	0635 9335	339.00
Vane measurement probe, 100mm	0635 9435	231.00
Comfort level probe	0628 0109	592.00
Lux probe	0635 0545	278.00



# Testo Digital Refrigeration Manifolds

## Testo 550

The Ideal tool for servicing and commissioning, refrigeration plant and heat pumps, the Testo 550 provides high performance at an affordable price. Easy to use, versatile and uncomplicated, the Testo 550 is an invaluable aid when assessing system performance.

- Superheating and subcooling in real-time by means of two external temperature probes (NTC)
- Vacuum display
- Temperature compensated tightness test
- Heat pump mode, automatic switching of Hi/Lo pressure.
- Display of Min/Max/Mean and differential temperature.
- 2 way-valve block incl. sightglass
- 30 refrigerants stored in the instrument



### Technical Data

Fluid media	FCKW, FKW, N, H2O
Measuring Range	Temperature: -50...150 °C; -58...302 °F Pressure: -1...40 bar; -100...4000 kPa; -0,1...4 MPa; 0...580 psi
Resolution	Temperature: 0,1 °C; 0,1 °F Pressure: 0,01 bar; 1kPa; 0,001 MPa; 0,1 psi
Accuracy	Temperature: ± 1 °C (± 1 Digit); ± 1,8 °F (± 1 Digit) Pressure: ± 0,75% fs (± 1 Digit at 22 °C)
Connections	2 x Pressure 2 x °C pluggable (NTC) 3 x 7/16" UNF
Storage temperature	-20...60 °C
Operating temperature	-10...50 °C
Battery type	4 x AAA
Battery lifetime	>40 hours (without illumination, 22 °C)

### Testo 550-1 Kit \*

Includes manifold, pliers temperature probe (0613 5505), batteries, instruction manual and calibration protocol.

Part Number 0563 5505

Price **£235.00**

### Testo 550-2 Kit \*

Includes manifold, 2 x pliers temperature probes (0613 5505), transport case, batteries, instruction manual and calibration protocol

Part Number 0563 5506

Price **£299.00**

Accessories	Part Number	Price £
Pliers probe for temperature measurement at pipes	0613 5505	39.00
Pipe clamp probe	0613 4611	70.30
Surface probe	0613 1912	56.10
Air probe	0613 1712	52.00
Transport case	0516 5505	69.00

\* Hoses not supplied





# Testo 556-1 & 560-1

- High accuracy pressure, vacuum and temperature sensors
- High and low pressure ranges (0-25 bar and 0-50 bar)
- Built in data on 30 refrigerants with free internet updates
- Vacuum range 0-200hPa (Testo 560 only)
- Real time display of superheat and subcooling
- Optional wireless probe function
- Robust and durable with IP 54 rating
- Download results to portable printer or PC

Available in two models:

- Testo 556 with 4-way valve block, four temperature probe options (two wireless), internal memory capacity (60,000 readings)
- Testo 560 with 4-way valve block, four temperature probe options (two wireless), internal memory capacity (60,000 readings) and vacuum gauge

Ammonia models available on request.



## Testo 556-1

Testo 556-1\* with 4-way valve block. Includes velcro surface probe, EasyKool software, USB cable, calibration protocol, mains unit, batteries, lock and carry case. (Connection size for hoses: 3 x 7/16" UNF, 1 x 5/8" UNF)

Part Number 0560 5561

Price **£722.00**

## Testo 560-1

Testo 560-1\* with 4-way valve block and integral vacuum gauge. Includes velcro surface probe, EasyKool software, USB cable, calibration protocol, mains unit, batteries, lock and carry case. (Connection size for hoses: 3 x 7/16" UNF, 1 x 5/8" UNF)

Part Number 0563 5602

Price **£924.00**

### Technical Data

	Testo 556	Testo 560
Operating temperature	-20 °C to +60 °C	
Pressure Media	CFC, HFC, N, H <sub>2</sub> O, CO <sub>2</sub>	
Pressure accuracy	± 0.5% of full scale value ± 1 digit (Class 0.5)	
Temperature		
Measuring range	-50 to +200 °C	
Accuracy	Pt 100 class B ± (0.3 to + 0.005 t)	
Resolution	0.1 °C	
Vacuum range	n/a	0-200 mbar

Accessories	Part Number	Price £
System case for Testo 556 and Testo 560	0516 5602	84.70
Pt100 air probe	0609 1773	71.40
Pt100 waterproof surface temperature probe	0609 1973	83.20
Pt100 waterproof immersion/penetration probe	0609 1273	61.70
Pt100 velcro pipe wrap probes	0609 5602	82.60
Mains unit	0554 0447	12.80
EasyKool software with measurement data management, including USB data cable	0554 5604	205.00
USB cable	0449 0047	20.30
Wireless module, for conversion to use with wireless probes	0554 0188	27.20
Wireless radio handle for plug-in heads, including T/C adapter	0554 0189	74.50
Thermocouple Type K immersion/penetration probe head, attaches to wireless handle	0602 0293	37.70
Thermocouple Type K surface probe, attaches to wireless handle	0602 0393	88.60
Thermocouple Type K velcro pipe wrap probe, attaches to wireless handle	0628 0020	38.80

\* Hoses not supplied



# Testo 316-4 Refrigerant Gas Leak Detector



- Ideal for F gas regulation leak testing
- Long life sensor, with built in performance check
- 1g/year sensitivity as EN 14624
- Fast response time
- Long gooseneck for inaccessible areas
- Audible and visual alarms
- Earplug socket for secure localisation of leakages in loud surroundings

#### Technical Data

Detectable	R134a, R22, R404a, H <sub>2</sub> and all common refrigerants such as CFC, HCFC, HFC, NH <sub>3</sub> (separate head)
Operating temperature	-20 to +50 °C

#### Testo 316-4 Set

Includes Testo 316-4, refrigerant sensor head (CFC, HCFC, HC, H<sub>2</sub>), case, mains charging unit and ear plug

Part Number 0563 3164

Price **£289.00**



# Testo 540 Lux Meter

Innovative pocket sized measurement technology for measuring ambient light conditions.

- Range 0 – 99,999 Lux
- Hold/max/min facility
- Units in lux or footcandles



#### Technical Data

Measuring range	0 to +99,999 Lux
Accuracy	±3 % (compared to reference)
±1 digit	
Resolution	1 Lux (0 to 19,999) 10 Lux (remaining range)

## Testo 540 Lux Meter

Includes wrist strap, belt holder, protective cap, batteries and calibration protocol

Part Number 0560 0540

Price **£105.00**

# Testo 545 Lux Meter

- Multi point and timed calculation
- Up to 99 location points can be saved
- Storage of up to 3,000 readings



#### Technical Data

Measuring range	0 to 100,000 Lux
Accuracy	Accuracy to DIN 5032, Part 6: F1 = 8 % = V (Lambda) adaption F2 = 5 % = cos like rating
±1 digit	
Resolution	1 Lux (0 to +32,000 Lux) 10 Lux (0 to 100,000 Lux)

## Testo 545 Lux Meter

Includes attached probe, battery and calibration protocol

Part Number 0560 0545

Price **£328.00**



# Testo 460

## Optical rpm Measurement

Innovative pocket sized measurement technology for optical rpm measurement.

- Optical rpm measurement with LED spot marking
- Max/min values



Technical Data	
Measuring range	100 to 29,999 rpm
Accuracy	± (0.02 % of m.v.)
±1 digit	
Resolution	0.1 rpm (100 to 999.9 rpm) 1 rpm (1,000 to 29,999 rpm)

### Testo 460

Includes wrist strap, belt holder, protective cap, reflective strips, batteries and calibration protocol

Part Number 0560 0460

Price **£123.00**

# Testo 465 and 470

## Tachometers

- Saves mean/min value (last reading)
- Non contact rpm measurement
- Optional mechanical/contact rpm measurement (Testo 470 only)



Technical Data		
Probe type	Optically with mod. light beam	Mechanical -Testo 470 only
Measuring range	+1 to 99,999 rpm	+1 to +19,999 rpm
Accuracy	±0.02 % of m.v.	±0.02 % of m.v.
±1 digit		
Resolution	0.01 rpm (1 to 99.99 rpm) 0.1 rpm (100 to 999.9 rpm) 1 rpm (1,000 to 99,999 rpm)	

### Testo 465 Non Contact Tachometer

Includes plastic case, reflectors and batteries

Part Number 0563 0465

Price **£159.00**

### Testo 470 Dual Contact Tachometer

Includes transport case, adapter, probe tip, surface speed disc, reflectors and batteries

Part Number 0563 0470

Price **£221.00**



# Testo 319

## Printers and multimeters

The Testo 319 fibrescope allows easy visual checks in hard-to-access places. Locate piping under floor boards, wall cavities etc. and inspect filters and dampers in ducting.

- Robust and ergonomically designed
- Excellent optics – 6,000 pixels with a field of vision of 50°
- Waterproof lens and tube
- Check for corrosion or damage to internal boiler components



Technical Data	
Number of pixels	6,000
Fibre optical field of vision	50°
Minimum focus distance	15 mm (focus)
Maximum focus distance	150 mm (light)
Probe diameter	6.5 mm
Probe length	1247 mm ±6

### Testo 319 Fibrescope

Includes attached probe, battery and calibration protocol





Part Number	0632 3191
Price	<b>£410.00</b>

### Testo 319 Fibrescope Set

Includes Testo 319, gooseneck tube, magnet attachment, mirror attachment and carrying bag

Part Number	0563 3191
Price	<b>£591.000</b>

Accessories	Part Number	Price £
Testo 319 carry case	0516 3192	36.70

Testo Printers	Part Number	Price £
 <p><b>Fast Printer</b> This new printer offers a faster print out of readings via IRDA interface. Includes 1 roll of thermal paper and batteries.</p>	0554 0549	£157.00
 <p><b>Testo Bluetooth printer</b> This new advanced printer offers fast documentation for the Testo 327, 330, 308 and 350 instruments with Bluetooth. Also facilitates inclusion of company logo on print out. Includes 1 roll of thermal paper and batteries.</p>	0554 0553	£243.00
 <p><b>Infrared Printer with Table/Graph Function</b> Tables and graphs can be printed directly to printer via IRDA interface. Can also be used as a data logger control unit. Includes 1 roll of thermal paper and batteries.</p>	0554 1775	£303.00
Pack of six thermal printer rolls	0554 0569	£15.10
Pack of six thermal printer rolls with 10 year legibility	0554 0568	£16.40
 <p><b>Testo 382 Multimeter</b> High quality multimeter with protective boot</p>	0590 0382	£39.80



# Instrument Service & Calibration

With our experienced team we are focused on providing first class technical support for our products including the Testo range of Domestic Flue Gas Analysers; 325, 327 and 330. BS7967 states that a Flue Gas Analyser should be "used and maintained in accordance with the manufacturer's instructions." Testo Ltd recommends that our Flue Gas Analysers are serviced and calibrated at least once annually to ensure that they will continue to measure accurately and within specification\*\*. With an initial 18 point inspection, additional latest software updates and with a final calibration certificate, typically we can turn your instrument round in 3\* working days.

We also provide service and calibration support for other products in the Testo range including Industrial Gas Analysers, Digital Refrigeration Manifolds and Gas/Refrigerant leak detection equipment. We can also offer on site servicing and calibration for many other products. Please enquire for more details.

Our UKAS (ISO/IEC 17025:2005) accredited laboratory is equipped to provide calibration for:

## UKAS calibration

- Temperature in the range of -70 to 180°C
- Humidity from 10 to 90%rh in the range of -0.5 to 50.5°C
- Dew point/frost point in the range -25 to 47°C

Our laboratory is also equipped to provide calibration traceable to national standards for:

## ISO calibration

- Pressure – 0 to 70 barg, low pressure -20 to +20hPa (in air)
- Gas Analysis – O<sub>2</sub>, CO, NO, NO<sub>2</sub>, HC, SO<sub>2</sub> & CO<sub>2</sub>
- Air velocity – 0 to 20m/s (thermal sensors), 0.4 to 60m/s (vane)
- Lux – 2 to 17000 lux
- Sound level – +30 to 130dB
- Current – 4 to 20mA
- Voltage – 0 to 10V
- Thermocouple injection – types K, T, J, N, R, S
- Resistance simulation – 4 wire, 2-3 wire
- RPM – 0 to 9,900 RPM

## Fast and Efficient Service & Calibration

Includes pick up and return service and a guaranteed 3 working day turnaround for just £79.00\* (Flue Gas Analysers only)

## Instrument Repair Service

We provide a comprehensive repair service for instruments within the Testo range.

## Find Out More

For further information or a no-obligation quotation please call us on 01420 544 433, option 235 or email [service@testo.co.uk](mailto:service@testo.co.uk)



\*\* Please note, Testo accept no liability for any repair, servicing or calibration to its analyser by a third party unless they have been approved to do so. Warranties may be affected.

\* 3 working days from receipt of approval to proceed to despatch from our service and calibration facility. Only applies to standard service and calibration of Testo Domestic Flue Gas Analysers.



# Instrument Service and Calibration

<b>Flue gas analysers</b>		
Fixed 5 Year Service Contract & Extended Warranty for Testo 327 Flue Gas Analysers. 5 year extended no catch warranty, annual service and calibration and replacement cells. Price fixed for 5 years. Payable annually after first year.*	Part Number	Price £
	300000 3272	99.00
Fixed 5 Year Service Contract for Testo 330LL Flue Gas Analysers. 5 year annual service and calibration. Price fixed for 5 years. Payable annually after first year.*	Part Number	Price £
	300000 3273	90.00
Basic yearly service and ISO calibration for Testo 325M, 327 and 330 range	Part Number	Price £
	300000 0010	79.00
<b>CO Meters</b>		
ISO gas calibration	Part Number	Price £
	300520 0008	42.00
<b>Refrigerant leak detectors</b>		
ISO certificate of conformity	Part Number	Price £
	300520 0112	27.50
<b>Digital Refrigerant Manifolds</b>		
ISO temperature and pressure ranges	Part Number	Price £
	300520 0114	71.50
<b>Air, penetration, IR and immersion probes + data loggers</b>		
ISO Calibration (-18 °C)	Part Number	Price £
	300520 0056	31.90
ISO Calibration (+60 °C)	Part Number	Price £
	300520 0048	31.90
ISO Calibration (+120 °C)	Part Number	Price £
	300520 0052	31.90
ISO Calibration (-18, 0 °C)	Part Number	Price £
	300520 0044	43.00
ISO Calibration (0, +60 °C)	Part Number	Price £
	300520 0072	43.00
ISO Calibration (-18, 0, +60 °C)	Part Number	Price £
	300520 0042	53.90
ISO Calibration (0, +50, +100 °C)	Part Number	Price £
	300520 0082	53.90
<b>Surface probes</b>		
ISO Surface Calibration (+60 °C)	Part Number	Price £
	300520 0096	
ISO Surface Calibration (+60, +120, +180 °C)	Part Number	Price £
	300520 0038	71.50
<b>Immersion and penetration probes only</b>		
UKAS Calibration (-18, 0 60 °C)	Part Number	Price £
	300520 0212	94.00
UKAS Calibration (0, 50 100 °C)	Part Number	Price £
	300520 0214	94.00
<b>Humidity indicators</b>		
ISO humidity calibration (11.3/45.3/75.3 %rh at 25 °C)	Part Number	Price £
	300520 0078	96.00
UKAS humidity calibration (11.3/45.3/75.3 %rh at 25 °C)	Part Number	Price £
	300520 0202	154.00
<b>Pressure meters (70 bar max)</b>		
ISO pressure calibration	Part Number	Price £
	300520 0018	57.80
<b>Air velocity (0.4 to 32.5 m/s)</b>		
ISO air velocity (2 points across range)	Part Number	Price £
	300520 0010	41.80
ISO air velocity (5 points across range)	Part Number	Price £
	300520 0012	64.00
<b>Tachometers (6,000 rpm max mechanical/9,900 rpm max optical devices)</b>		
ISO rpm calibration (5 points)	Part Number	Price £
	300520 0100	60.50

\* Conditions apply.





## About Testo

Testo provide an extensive range of instrumentation for HVAC-R installers and engineers. Our instruments are produced to the highest standards and offer exceptional durability, functionality and ease of use. In addition we offer instrument service and calibration from our independently accredited ISO 9001:2000 and ISO 17025 facilities.

Testo instruments can be purchased from all leading heating and plumbing distributors, or alternatively ordered directly from Testo.

**T**equipment  
NET



205 Westwood Ave  
Long Branch, NJ 07740  
1-877-742-TEST (8378)  
Fax: (732) 222-7088  
salesteam@Tequipment.NET

Prices are valid until 31st December 2010 and exclude VAT and carriage. Discounts available for large quantity, please contact our Internal Sales Department for further details.

Whilst every care has been taken to ensure that the information included in this document was accurate at the time of printing, we reserve the right to change prices and specifications at any time. Pictures used are for illustrative purposes only. All instruments and accessories are offered subject to availability.