

Be sure. **testo**



# Think, instead of just measuring.

Multimeters, clamp meters and voltage testers from Testo:  
Enjoy more reliable and accurate work results with innovative  
features and intuitive control.

[www.testo.com](http://www.testo.com)

# High-tech from the Black Forest.

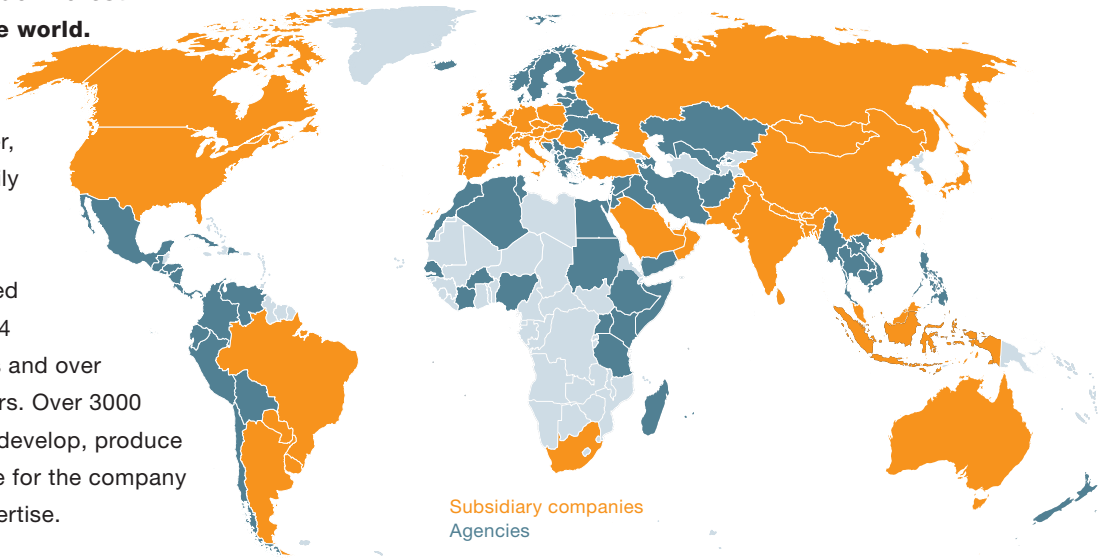
For more than 60 years, Testo has stood for innovative measuring solutions made in Germany. As an expert in measuring technology and global market leader in portable measuring technology, we provide over 650,000 customers worldwide with high-precision measuring instruments for many different sectors. Whether in refrigeration, air conditioning and environmental technology, industrial applications, for exhaust and flue gas analysis, in the pharmaceutical and health sectors, for the monitoring of indoor air and food quality, or in the electrical field: Our products help to save time and resources, to protect the environment and the health of humans, and to increase the value of goods and services.



## With roots in the Black Forest.

### At home all over the world.

Our headquarters are in Lenzkirch in the Black Forest. However, Testo has been steadily growing as a global group for many years and is now represented on all continents by 34 subsidiary companies and over 80 distribution partners. Over 3000 employees research, develop, produce and market worldwide for the company with passion and expertise.



## Our innovations are the engine which drives you forward.

The requirements for practical measurement solutions are becoming increasingly more complex and specific. That is why we have set ourselves the key task of identifying these customer requirements in industry and trade and translating them permanently into new technology. We carry out our own intensive research, which has given us a leading role in the market for decades.

On the following pages, we present to you the result of extensive research in electrical measuring technology: revolutionary measuring instruments which make your daily job safer and more efficient than ever before.

# Take care of your daily measuring tasks more easily and safely than ever before.

The innovative electrical measuring instruments from Testo stand out due to their extraordinary high level of user-friendliness, setting new standards with intelligent and completely new technology.

Digital multimeters with automatic measurement parameter recognition, clamp meters with a unique grab mechanism or voltage testers that also measure current – this is what electrical measuring technology in Testo quality is all about.



Voltage tester and current measuring instrument in one: **testo 755-2** is an all-rounder for almost all electrical measuring tasks.



It features automatic measurement parameter recognition, exchangeable measuring tips and a voltage range up to 1000 V.



Thanks to automatic measurement parameter recognition, the digital multimeter **testo 760-2** offers ultimate reliability for all applications.



The **testo 750-3** voltage tester features an all-round LED display, a deep-set anti-slip ring and an ergonomically shaped handle designed for convenient use.



Non-contact measurement on tightly packed cables is really easy and reliable with the **testo 770-3** clamp meter: one retractable pincer arm can be fully retracted.



The waterproof and dustproof **testo 745** voltage tester is a robust and hard-wearing instrument to help you with your everyday work.

# Recognises measurement parameters automatically.

The digital multimeter **testo 760**.

The three models of the testo 760 eliminate incorrect settings, because the measurement parameters are detected automatically via the assignment of the measuring sockets and also shown by the illumination of the appropriate function keys. Function keys replace the traditional dial, which means easier operation and greater reliability.



Measurement parameter recognition by socket allocation



Easy, modern operation with function keys instead of a dial



True root mean square measurement (TRMS)



Large, backlit LCD display

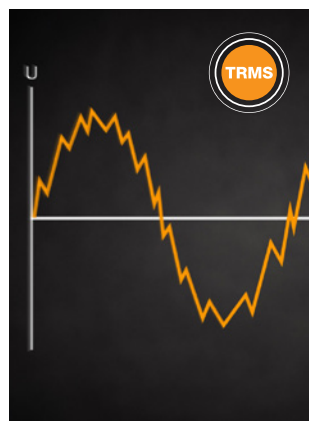


Testing voltage in the switching box of a heat pump.

Digital multimeter model comparison	testo 760-1	testo 760-2	testo 760-3
Automatic measurement parameter recognition	✓	✓	✓
Easy and modern operation with function keys instead of a dial	✓	✓	✓
Illuminated display	✓	✓	✓
True root mean square measurement (TRMS)	✗	✓	✓
µA current measuring range	✗	✓	✓
Low-pass filter	✗	✓	✓
Voltage range up to 1000 V	✗	✗	✓



Automatic measurement parameter detection



True root mean square measurement (TRMS)

Technical data	testo 760-1	testo 760-2	testo 760-3
Voltage measuring range	0.1 mV to 600 V AC/DC		0.1 mV to 1000 V AC/DC
Current measuring range	1 mA to 10 A AC/DC	0.1 µA to 10 A AC/DC	
Resistance measuring range	0.1 to 40 MΩ	0.1 to 60 MΩ	
Frequency measuring range	0.001 Hz to 500 kHz	0.001 Hz to 30 MHz	0.001 Hz to 60 MHz
Capacitance measuring range	0.001 nF to 100 µF	0.001 nF to 30000 µF	0.001 nF to 60000 µF
Temperature measuring range	-	-20 to +500 °C	
Display (counts)	4000	6000	
Measurement category	CAT IV 300 V CAT III 600 V	CAT IV 600 V CAT III 1000 V	
Protection class	IP64		
Approvals	TÜV, CSA, CE		
Standards	EN 61326-1		

# Get a good grip on cables – even when things are tight.

Get a good grip on cables with **testo 770** – even when things are tight.

The three instruments in the testo 770 clamp meter range are perfect for current measurement in switching cabinets. One of the two pincer arms can be fully retracted into the instrument. This unique grab mechanism means that cables in tight switching cabinets can be easily grabbed. The automatic measurement parameter recognition also ensures reliable work: in the current and voltage area, all three instruments detect direct and alternating current and select other parameters such as resistance, continuity, diode and capacitance automatically.



Unique grab mechanism makes it easier to work at tight measuring points.



Auto AC/DC for current and voltage



Large two-line display



True root mean square measurement (TRMS)



With additional functions, such as starting current, power and  $\mu\text{A}$  measurement



Bluetooth and testo Smart Probes App



Measuring current in a switching cabinet.

Clamp meter model comparison	testo 770-1	testo 770-2	testo 770-3
Unique clamp mechanism	✓	✓	✓
Automatic measurement parameter recognition	✓	✓	✓
Two-line display	✓	✓	✓
True root mean square measurement (TRMS)	✓	✓	✓
Starting current measurement	✓	✓	✓
$\mu\text{A}$ current measuring range	–	✓	✓
Bluetooth and testo Smart Probes App	–	–	✓
Performance measurement	–	–	✓



Easy handling with tightly laid cables.



Convenient display and documentation of the measurement results using the Smart Probes App.

Technical data	testo 770-1	testo 770-2	testo 770-3
Voltage measuring range	1 mV to 600 V AC/DC		
Current measuring range	0.1 to 400 A AC/DC		0.1 to 600 A AC/DC
Performance measurement	–		✓
$\mu\text{A}$ measuring range	–	0.1 to 400 $\mu\text{A}$ AC/DC	
Resistance measuring range	0.1 $\Omega$ to 40 M $\Omega$		0.1 $\Omega$ to 60 M $\Omega$
Frequency measuring range	0.001 Hz to 10 kHz		
Capacitance measuring range	0.001 $\mu\text{F}$ to 100 $\mu\text{F}$		0.001 $\mu\text{F}$ to 60000 $\mu\text{F}$
Temperature measuring range	–	-20 to +500 $^{\circ}\text{C}$	
Bluetooth and testo Smart Probes App	–		✓
Display (counts)	4000		6000
Measurement category	CAT IV 600 V, CAT III 1000 V		
Approvals	TÜV, CSA, CE		
Standards	EN 61326-1, EN 61140		

# Convenient to read from any position.

The voltage tester **testo 750**.

The three models in the testo 750 voltage tester family are the first instruments with an all-round LED display. The display can be seen from any position and guarantees an ideal voltage indication thanks to its unique fibre optics. All three models meet the latest voltage tester standard EN 61243-3:2010 and have a safety specification according to CAT IV. They have the most important functions for voltage testing, continuity testing and rotating magnetic field measurement.



Clear, patented all-round display with fibre-optic technology



Anti-slip ring for secure grip



Ergonomic handle shape



Measuring point illumination



Complies with latest voltage tester standard



Measuring voltage in a switching cabinet.

Voltage tester model comparison	testo 750-1	testo 750-2	testo 750-3
Patented all-round LED display	✓	✓	✓
Fibre-optics for optimum voltage indication	✓	✓	✓
Anti-slip ring	✓	✓	✓
Ergonomic handle shape	✓	✓	✓
Certified according to voltage tester standard DIN EN 61243-3:2010	✓	✓	✓
Measuring point illumination	-	✓	✓
Single-pole voltage testing	-	✓	✓
RCD trigger function	-	✓	✓
Additional LC display	-	-	✓



Convenient illumination of measuring points.



The **testo 750** voltage tester features an all-round LED display.

Technical data	testo 750-1	testo 750-2	testo 750-3
Voltage testing	12 to 690 V AC/DC		
Continuity testing	< 500 kΩ		
Rotating magnetic field testing	100 to 690 V AC at 50/60 Hz		
Single pole phase testing	-	100 to 690 V AC at 50/60 Hz	
Measurement category	CAT IV 600 V, CAT III 1000 V		
Protection class	IP64		
Approvals	TÜV, CSA, CE		
Standard	EN 61243-3:2010		

# A voltage tester that also measures current.

The current/voltage tester **testo 755**.

They are the first of their kind: voltage testers which not only meet the latest standard, but also measure current. This means the two instruments are suitable for virtually all daily electrical measuring tasks. Each time they are used they automatically select the right settings and therefore prevent dangerous incorrect settings. Both models have all the important functions for determining voltage/de-energization, for measuring current and resistance, as well as for continuity tests. Their measuring tips can be changed easily, so that the whole instrument does not need to be replaced in the event of damage.



- Automatic measurement parameter recognition
- Certified according to voltage tester standard DIN EN 61243-3:2010
- Measurement result without any switching on or selection
- Measuring point illumination
- Exchangeable measuring tips



Measuring voltage on a compressor.

Technical data	testo 755-1	testo 755-2
Voltage measuring range	6 to 600 V AC/DC	6 to 1000 V AC/DC
Power	0.1 to 200 A AC	
Resistance	1 Ω to 100 kΩ	
Continuity testing	< 50 Ω	
Rotating magnetic field testing	-	100 to 690 V AC at 50/60 Hz
Single pole phase testing	-	100 to 690 V AC at 50/60 Hz
Display (counts)	4000	
Measurement category	CAT IV 600 V CAT III 1000 V	
Protection class	IP64	
Approvals	TÜV, CSA, CE	

Current/voltage tester model comparison	testo 755-1	testo 755-2
Certified according to voltage tester standard DIN EN 61243-3:2010	✓	✓
Automatic measurement parameter recognition	✓	✓
Measuring point illumination	✓	✓
Exchangeable measuring tips	✓	✓
Voltage range up to 1000 V	✗	✓
Single pole phase testing	✗	✓
Rotating magnetic field measurement	✗	✓

# Filters high-frequency interference.

The non-contact voltage tester **testo 745**.

The non-contact voltage tester with a measuring range of up to 1000 V is particularly well-suited to fast initial checking of any suspected fault sources. When AC voltage is detected, the testo 745 gives a clear visual and audible warning. In order to increase the reliability, the voltage tester has a filter for high-frequency interference.



Waterproof and dustproof according to IP 67.

Technical data	
Voltage testing	12 to 1000 V AC
Measurement category	CAT IV 600 V CAT III 1000 V
Approvals	CSA, CE
Standards	EN 61326-1, EN 61010-1



- Waterproof and dustproof according to IP 67
- Adjustable sensitivity
- Visual and acoustic signal
- Measuring point illumination
- Filter blocks high-frequency interference signals

# Order data

Multimeter <b>testo 760</b>	Order no.	
testo 760-1, multimeter, including batteries and 1 set of measuring cables	0590 7601	
testo 760-2, TRMS multimeter, including batteries, 1 set of measuring cables and 1 x adapter for type K thermocouples	0590 7602	
testo 760-3, TRMS multimeter, including batteries and 1 set of measuring cables	0590 7603	
<b>testo 760-1/-2/-3 accessories</b>		
Magnetic suspension system	0590 0001	
Set of safety crocodile clips	0590 0008	
Set of crocodile clips	0590 0009	
Set of 2 mm measuring cables (angled plug)	0590 0010	
Set of 4 mm standard measuring cables (angled plug)	0590 0011	
Set of 4 mm standard measuring cables (straight plug)	0590 0012	
Set of measuring cable extensions (straight plug)	0590 0013	
Set of measuring cable extensions (angled plug)	0590 0014	
testo 760 transport bag	0590 0016	
ISO calibration certificate multimeter	0520 0760	
DAkkS calibration certificate multimeter	0520 0761	
<b>testo 760-1/-2 accessories</b>		
Set of 5 x 10 A/600 V spare fuses	0590 0005	
Set of 5 x 630 mA/600 V spare fuses	0590 0007	
<b>testo 760-2/-3 accessories</b>		
Thermocouple adapter type K	0590 0002	
Clamp meter adapter	0590 0003	
<b>testo 760-3 accessories</b>		
Set of 5 x 10 A/1000 V spare fuses	0590 0004	
Set of 5 x 630 mA/1000 V spare fuses	0590 0006	
<b>Voltage tester <b>testo 750</b></b>		
testo 750-1, voltage tester including batteries, measuring tip protector and measuring tip caps	0590 7501	
testo 750-2, voltage tester including batteries, measuring tip protector and measuring tip caps	0590 7502	
testo 750-3, voltage tester including batteries, measuring tip protector and measuring tip caps	0590 7503	
<b>testo 750 accessories</b>		
testo 750 transport bag	0590 0018	
ISO calibration certificate voltage tester	0520 0750	
DAkkS calibration certificate voltage tester	0520 0751	

Clamp meters <b>testo 770</b>	Order no.	
testo 770-1, TRMS clamp meter, including batteries and 1 set of measuring cables	0590 7701	
testo 770-2, TRMS clamp meter, including batteries, 1 set of measuring cables and 1 x adapter for type K thermocouples	0590 7702	
testo 770-3, TRMS clamp meter, including batteries and 1 set of measuring cables	0590 7703	
<b>testo 770 accessories</b>		
Thermocouple adapter type K (for testo 770-2/-3 only)	0590 0021	
Set of safety crocodile clips	0590 0008	
Set of crocodile clips	0590 0009	
Set of 4 mm standard measuring cables (angled plug)	0590 0011	
Set of 4 mm standard measuring cables (straight plug)	0590 0012	
Set of measuring cable extensions (straight plug)	0590 0013	
Set of measuring cable extensions (angled plug)	0590 0014	
testo 755 / testo 770 transport bag	0590 0017	
ISO calibration certificate clamp meter	0520 0770	
DAkkS calibration certificate clamp meter	0520 0771	

Current/voltage tester <b>testo 755</b>	Order no.	
testo 755-1, current/voltage tester, incl. batteries and measuring tips	0590 7551	
testo 755-2, current/voltage tester, incl. batteries and measuring tips	0590 7552	
<b>testo 755 accessories</b>		
testo 755 / testo 770 transport bag	0590 0017	
Set of replacement measuring tips	0590 0015	
ISO calibration certificate current/voltage tester	0520 0755	
DAkkS calibration certificate current/voltage tester	0520 0756	

Non-contact voltage tester <b>testo 745</b>	Order no.	
testo 745, non-contact voltage tester including batteries	0590 7450	
ISO calibration certificate voltage tester	0520 0750	
DAkkS calibration certificate voltage tester	0520 0751	

