Clamp meter

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

Unique clamp mechanism to grab wires without using your hands makes it easier to work at tight measuring points

Auto AC/DC recognition for current and voltage measurements

True root mean square measurement - TRMS

Real-time power measurement (Watts) with simultaneous power factor indication (770-3 only)

Standard features: • Inrush/ starting current capture   • APO (Auto Power Off)   • Min/Max/Hold

Additional features (770-2/-3 only): • µA for flame rod   • Type-K thermocouple   • High capacitance   • Frequency measurement

Bluetooth and connection to testo Smart Probes App

°C/°F

F

V

A

Ω / CAP

Hz

µA

Watts/ PF

The testo 770 TRMS Clamp Meter Family is ideally suited for electrical work in HVAC applications such as 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 detection 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.

The testo 770-1 model is the standard version for daily measuring tasks, including starting current measurement, TRMS and frequency measurement.

The testo 770-2 also has a µA range as well as an integrated temperature adapter for all type K thermocouples.

In addition to this, the testo 770-3 offers a performance measurement function and can be connected with the testo Smart Probes App by Bluetooth. In the App, you can display the measurement progression as a graph and document it directly in the report.

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We measure it. **testo**

Technical data/accessories

testo 770-1

testo 770-1, TRMS clamp meter, including batteries and 1 set of measuring cables

Order no. 0590 7701

testo 770-2

testo 770-2, TRMS clamp meter, including batteries, 1 set of measuring cables and 1 x adapter for type K thermocouples

Order no. 0590 7702

testo 770-3

testo 770-3, TRMS clamp meter, including batteries and 1 set of measuring cables

Order no. 0590 7703

Connects via Bluetooth to the Testo Smart Probe App. Control, display, document and report your measurements. Available for Apple iOS and Android.

Accessories	Order no.
Type K thermocouple adapter (for testo 770-2/-3 only)	0590 0002
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

Technical data	testo 770-1	testo 770-2	testo 770-3
True RMS	✓		
Basic accuracy	0.8 %		0.1 %
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
Power measurement	–		✓
µA measuring range	–	0.1 to 400 µA AC/DC	
Resistance measuring range	0.1 Ω to 40 MΩ		0.1 Ω to 60 MΩ
Frequency measuring range	0.001 Hz to 10 kHz		
Capacitance measuring range	0.001 µF to 100 µF		0.001 µF to 60,000 µF
Temperature measuring range	–	-20 to +500 °C	
Bluetooth and testo Smart Probes App	–		✓
Continuity testing	✓		
Diode test	✓		
Display (counts)	4,000		6,000
Measurement category	CAT IV 600 V CAT III 1,000 V		
Operating temperature	-10 to +50 °C		
Storage temperature	-15 to +60 °C		
Dimensions	243 x 96 x 43 mm (L x W x H)		
Weight	378 g		
Warranty	2 years		
Authorizations	TÜV, CSA, CE		
Standards	EN 61326-1, EN 61140		
Batteries	3 x AAA		

Accessories	Order no.
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

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