

Clamp meter

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

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 μA measurement

Bluetooth and testo Smart Probes App



The three instruments in the testo 770 clamp meter family are ideally suited 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 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. In addition, the testo 770-2 contains both a μA area as well as a temperature measurement by means of an optional thermocouple adapter type K. The testo 770-3 also calculates all output ratings, has a Bluetooth interface and the possibility of connecting to the testo Smart Probes App to show the measuring profile as a graph or to document it directly in a report.

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



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		

Accessories	Order no.
Type K thermocouple adapter (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

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
ISO calibration certificate clamp meter	0520 0770
DAkKS calibration clamp meter	0520 0771

1981 1554/cw/1/06.2016

Subject to change, including technical modifications, without notice.