

# Clamp meter

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

TRMS measurement

Auto AC/DC for voltage and large two-line display

Bluetooth connection to testo Smart App  
and other Testo measuring instruments

Easy to operate thanks to the retractable pincer arm

Increased precision in the lower current range  
thanks to improved resolution of the testo 770-3



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. Automatic measurement parameter recognition also ensures safe working: in the area of voltage measurement, all three instruments detect direct and alternating voltage and testo 770-1 and testo 770-2 automatically select other parameters such as resistance, continuity, diode and capacitance.

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  $\mu\text{A}$  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 App to show the measuring profile as a graph or to document it directly in a report. Thanks to the improved resolution, the testo 770-3 also has increased precision in the lower current range.

## 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, incl. 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, 1 set of measuring cables and 1 x transport bag

Order no. 0590 7703 02



### testo 770-3 Premium kit

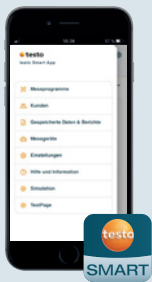
testo 770-3, TRMS current meter incl. batteries, 1 set of measuring cables, 1 x temperature probe (TE Type K), 1 set of crocodile clips, 1 set of micro clips, 1 x magnetic holder and 1 x transport bag

Order no. 0590 7703 03



#### testo Smart App

The App turns your smartphone/ tablet into the display for the testo 770-3. The display of the measured values are by Bluetooth® via the testo Smart App on your smartphone or tablet – irrespective of the measuring location. In addition, you can use the App to create measurement reports, add photos and comments to these and send them by e-mail. To ensure that your current clamp meter is always up to date, firmware updates can be carried out quickly and easily by connecting to the testo Smart App.



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		1 mV to 1000 V AC 0.1 mV to 1000 V DC
Current measuring range	0.1 to 400 A AC/DC		0.01 to 600 A AC/DC
Performance measurement	–		✓
µA measuring range	–	0.1 to 400 µA AC/DC	0.1 to 600 µA AC/DC
Resistance measuring range	0.1 Ω to 40 MΩ		0.01 Ω to 60 MΩ
Frequency measuring range	0.01 Hz to 9.999 kHz		
Capacitance measuring range	0.01 nF to 100 µF		0.001 nF ... 60 mF
Temperature measuring range	–	-20 to +500 °C	
Bluetooth and testo Smart App	–		✓
Continuity testing	✓		
Diode test	✓		
Display (counts)	4000		6000
Measurement category	CAT IV 600 V CAT III 1000 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		
Approvals	CSA/ETL, CE		
Standards	EN 61326-1, EN 61140		

Accessories	Order no.
Thermocouple adapter Type K (for testo 770-2 only)	0590 0021
Set of safety crocodile clips, suitable for 0590 0011 and 0590 0012	0590 0008
Set of crocodile clips, suitable for 0590 0010	0590 0009
Set of micro clips, suitable for 0590 0010	0590 0025
Set of 2 mm measuring cables (angled plug), suitable for 0590 0009	0590 0010
Set of 4 mm standard measuring cables (angled plug), suitable for 0590 0008	0590 0011
Set of 4 mm standard measuring cables (straight plug), suitable for 0590 0008	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