Voltage testers





Voltage tester "Profi LCDplus II"

The "Profi LCDplus II" is the new top model in our tried and tested professional series. The innovative two-pole voltage tester is characterised by a wide performance spectrum and practical one-handed operation. It enables testing without finger contact and, thanks to the high CAT IV 1000 V safety level, is suitable with immediate effect for taking measurements on hybrid and electrical vehicles as well as for photovoltaic systems.

Functions and benefits

- · Highest CAT IV 1000 V safety level
- · Large, illuminated LCD
- Voltage display up to 1000 V AC and 1400 V DC
- Resistance measurement up to 1999 Ω
- Frequency display up to 1000 Hz

"Profi LCDplus II" **Technical data** Optical, LCD Display: Automatic Measuring range: CAT IV 1,000 V Over-voltage category:

Dimensions: 300 x 75 x 20 mm 270 g Weight: Red/black Colour: Scope of delivery: Including batteries Accessories (optional): Carry bag

3-1000 V AC (TRMS/RMS) Voltage range:

4-1400 V DC

Throughput check: $0-200\,\Omega$ with acoustic signal

Phase display: > 100 V AC

Voltage supply: 2 x 1.5 V AAA (display of voltages is possible even without batteries)

Yes (- in LCD)

PELV display: Optical, acoustic and vibrating

Protection class: IP 65

Standard: EN 61243-3:2010 Resistance measurement: 1-1999 O Frequency measurement: 0-500 Hz

Voltage and resistance Data-hold:

Automatic power off function: Yes

FI/RCD test: 30 mA at 230 V AC using two buttons

Single-pole phase test: Yes Two-pole phase-sequence test: Yes Illumination of measuring point: White LED Can be unscrewed 4-mm test tip adapter: 5 years

Guarantee:



Polarity:



TMA Art. no. 103826 3-1000

Voltage tester "Profi LEDplus II"

The new two-pole voltage tester "Profi LEDplus II" is the result of consistent further development of our popular "Profi LEDplus". It is characterised by userfriendly handling, robust and safe construction and meets all the requirements a specialist user makes of the modern voltage tester. Thanks to the highest safety level, CAT IV 1000 V, it is also suitable for measurements on hybrid and electrical vehicles as well as photovoltaic systems.

Functions and benefits

- Highest CAT IV 1000 V safety level
- Practical one-handed operation
- · Robust, safe construction format
- Tests without finger contact
- · Display on voltages even without battery

"Profi LEDplus II" **Technical data**

Optical, LEDs Display: Measuring range: **Automatic** CAT IV 1,000 V Over-voltage category: 300 x 75 x 20 mm Dimensions: 270 g Weight: Red/black Colour:

Scope of delivery: Including batteries Accessories (optional): Carry bag 6-1000 V AC Voltage range: 6-1400 V DC

Throughput check: $0-50 \text{ k}\Omega$ optical/acoustic

Phase display: > 100 V AC

Voltage supply: 2 x 1.5 V AAA (display of voltages is possible

even without batteries) Diode test:

Polarity: Yes (+,- LED)

PELV display: Optical, acoustic and vibrating

Protection class: IP 65

Standard: EN 61243-3:2010

Automatic power off function:

30 mA at 230 V AC using two buttons FI/RCD test:

Single-pole phase test: Yes Two-pole phase-sequence test: Yes Illumination of measuring point: White LED

4-mm test tip adapter: Can be unscrewed

Guarantee: 5 years





TMA PU Art. no. 103824 6-1000

Voltage testers

Voltage tester "Basic +"

The two-pole voltage tester reliably indicates direct and alternating voltages within a range of 6 to 400 V in 7 intervals per LED (6, 12, 24, 50, 120, 230 and 400). The electronics also enable the determination of polarity and the phase to protective conductor. The "Basic +" is characterised by a userfriendly construction and robust housing that ensures long operational life. The rubberised handles offer non-slip hold. The "Basic +" operates without batteries. It takes its operating voltage from the test object.

Functions and benefits

- · User-friendly and robust
- Voltage range up to 400 V AC/DC
- · Phase search to protective conductor

..Basic +" Technical data Optical, 8 LEDs Display: Over-voltage category: CAT III 400 V 120 x 60 x 30 mm Dimensions: Weight: 100 g Red/black Colour: Carry bag Accessories (optional): 6 - 400 V AC/DC Voltage range: Via measuring object Voltage supply: Polarity: Yes (+,- LED)

EN 61243-3:2010 Housing: High quality plastic with rubberised handle area

Guarantee: 5 years

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Art. no

103800

TMA

6-400

Standard:



"Multi Clamp II" digital miniature clamp transducer AC/DC 600 V

Thanks to the versatile measuring functions, the digital probe ampere meter "Multi Clamp II" may be used universally. Handy details, such as the large display, the manual or automatic measuring range selection and the measuring point illumination, make operation particularly convenient and safe.

Functions and benefits

- · Large range of functions
- · Easy to read LCD
- LED measuring point illumination

Technical data ..Multi Clamp II" Display: LCD with 4 digits Over-voltage category: CAT III 600 V Dimensions: 220 x 75 x 35 mm Weight: 340g Colour: Red/black

Scope of delivery: Including measuring cables, batteries

and carry bag 3x 1.5V

Voltage supply: Diode test: Test current - 1 mA, test voltage - 3.3 V

Throughput test: Throughput tone under 30Ω 600m, 6, 60, 600V

Direct voltage: Direct current: 60A, 600A

Alternating voltage: 600mV, 6, 60, 600V, 40 to 400Hz

Alternating current: 60A, 600A, 40 to 400Hz ±3.0 % +10 digit

Alternating current accuracy: Alternating current, highest resolution: 10 mA

Direct current, highest resolution: 10 mA Alternating voltage accuracy: $\pm 1.5 \% + 10 \text{ digit to } 600 \text{ mV} /$

±1.2 % +5 digit to 60 V / ±1.5 %+10 digit to 600 V

Alternating voltage, highest resolution: 100 µV 10 MΩ

Alternating voltage input resistance:

Direct voltage accuracy: $\pm 0.8\% + 3$ digit to 60 V / ±1.0 %V +5 digit to 600 V

Direct voltage, highest resolution: 100 uV Direct voltage input resistance: 10 MΩ

Frequency measuring tongs: 600 Hz, 1 kHz, > 1 A AC rms Frequency measuring tongs, accuracy: ±1.5 % +5 digit to 1 kHz Frequency measuring tongs, highest resolution: 100 mHz

Frequency measuring socket: 600 Hz, 6 kHz, 10 kHz, > 0.2 V AC rms Frequency measuring socket, accuracy: ±1.5 % +5 digit to 10 kHz Frequency measuring socket, highest resolution: 100 mHz

Sampling rate: 10 to 95 %, ±3.0 %, > 1 A AC rms Sampling rate, frequency range: 10 Hz to 1 kHz Sampling rate, capacity measurement: To 60 mF

Resistance accuracy: $\pm 1.2~\%$ +2 digit to 6 M Ω $\pm 2.0 \% + 5$ digit to $60 \text{ M}\Omega$

Resistance highest accuracy: 100 $M\Omega$

Diode test resolution: 1 mV

Diode test throughput test: Throughput tone under 30 Ω

Guarantee: 5 years





Art. no 103809

0,426



"Multi Check II" - digital high-capacity multimeter

The "Multi Check II" is particularly safe to use. Thanks to the automatic measuring range protection, it is impossible to operate incorrectly. In addition, the digital multimeter has an easy to read LC display with background illumination.

Functions and benefits

- · Automatic measuring range protection
- · Large LCD with background lighting
- Temperature measurement

"Multi Check II" **Technical data**

37 mm, large, illuminated LCD Display:

Over-voltage category: CAT III 600 V

Weight: 380g including batteries.

Scope of delivery: Including measuring cables, holster, temperature sensor and battery

Voltage supply: 1x 9 V 6LR61 Diode test: Yes

IEC/EN 61010-1, IEC/EN 61010-2-033 Standard:

Dimension: 200 x 89 x 38 mm

2 V, 20 V, 200 V; ± 1.0 %, ± 5 Digits

AC voltage: 600 V; ±1.2 %, ±5 Digits

2 mA, 20 mA; ±1.0 %, ±5 digits 200 mA; ±1.5 %, ±3 digits 10 A; ±2.0 %, ±8 digits

0-40 °C (32-104 °F) Operating temperature range:

AC current:

DC current:

200 mV, 2 V, 20 V, 200 V ; ± 0.5 %, ± 3 digits DC voltage:

600 V; ±0.8 %, ±5 digits 2 mA, 20 mA; ±1.0 %, ±3 digits 200 mA; ±1.5 %, ±3 digits

10 A; ±2.0 %, ±5 digits

Throughput test:

Input impedance: $> 7.5 \text{ M}\Omega$, type 10 M Ω (ACV & DCV)

Frequency measurement range: 0-20 kHz Capacity measurement range: To 20 μF

Storage temperature range: -10-50 °C (14-122 °F) Maximum input voltage: 600 V AC/DC 200 mA (resettable) 10 A/1000 V (fast)

-20-1000°C with K-type sensor Temperature measurement:

Alternating current bandwidth: 50-400 Hz

Resistance:

 200Ω ; $\pm 1.0 \%$, ± 5 digits

 $2~\text{k}\Omega,\,20~\text{k}\Omega,\,200~\text{k}\Omega$; ±1.0 %, ±5 digits

 $2~\text{M}\Omega$; ±1.0 %, ±5 digits 20 M Ω ; ±1.5 %, ±5 digits

Guarantee: 5 years

GS (E



Art. no. 103811

Circuit tester "Control"

The "Control" recognises, thanks to the no-contact voltage sensor, alternating voltages through insulation. Defective lamps, for example, in fairy light chains or similar will be shown quickly and precisely. The incorporated current warning issues and alarm when life-threatening voltage is present. The electronics also enable single-pole phase detection. Throughput tester with LED pocket torch, without flat battery, with replaceable measuring cables.

Functions and benefits

- · Reliable throughput tester
- · No-contact voltage sensor
- High-performance LED torch

"Control" **Technical data CAT II 300 V** Over-voltage category: 120 x 60 x 30 mm Dimensions: Weight: 90 g (without batteries) Colour: Red

Scope of delivery: 2 measuring cables Accessories (optional): Crocodile clips, carry bag Optical 0-20 Ω Throughput check:

acoustic 0-250 Ω

Test voltage: 4.5 V

Test current: Optical - 10 mA acoustic - 2 mA

External voltage protection: Up to 300 V Guarantee: 5 years





Art. no. 100666 0.139

Voltage testers

Voltage tester "TestPen Profi"

The non-contact voltage tester "TestPen Profi" recognises current-carrying cables as of 12 V, including low-voltage systems.. Invisible cable breaks in extension cords or a defect lamp in fairy lights can be localised to the centimetre in seconds thanks to the capacitive measuring procedure.

Functions and benefits

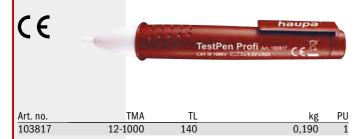
- · Capacitive measuring procedure
- Measurements as of 12 V
- · LED torch
- Vibrating display

Technical data "TestPen Profi" Optical and vibrating Display: Measuring range: 12-1000 V AC Over-voltage category: **CAT III 1,000 V** Dimensions: 160 x 25 mm Weight: 45 g Colour: Red Scope of delivery: Including batteries

Integrated LED torch: Yes

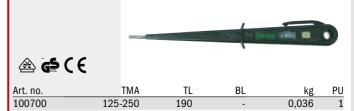
Voltage supply: 2 x 1.5 V AAA Micro, LR03 Standard: IEC/EN 61010-1 (DIN VDE 0411) Housing: Impact/break proof ABS plastic

Guarantee: 5 years



Voltage testers VDE/GS

5 mm surrounding hand-protection, clip of insulating material, fixed installed scale with dark background



Voltage tester "Basic"					
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