VOLTCRAFT

VOLTCRAFT - RELIABLE AND PRECISE. SINCE 1982.

For decades, our product range has been dynamically adapting to the constant changes in the industry.
We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

2-POLE VOLTAGE TESTER

CE

Item No. 3540244 (VC-57 CAT IV 1000V)
Item No. 3540245 (VC-67 CAT III 1000V)

2-pole voltage tester for measuring and displaying DC and AC voltages in an electrical low-voltage circuit

FEATURES

- Polarity indication
- Single-pole phase test
- Phase rotation test
- Continuity test
- Auto-power ON / OFF
- Flashlight
- IP64 (IEC60529)
- TRMS

Item no 3540244

- CAT IV 1000 V
- AC and DC voltage test at 1000 V/AC, 1500 V/DC

Item no 3540245

- CAT IV 600V, CAT III 1000V
- AC and DC voltage test from 0.5 V up to 1000 Vac and 1500 Vdc
- Resistance test
- Trip Test of RCD
- Vibration motor



Item no. 3540244



Item no. 3540245

TECHNICAL DATA

Power supply	2x AAA Batteries
Internal battery consumption	approx. 80mA
LCD overrange indication	“OL”
Measurement duty cycle	30s ON (operation time), 240s OFF (recovery time)
Pollution degree	2
Protection	IP64
Operating altitude	max. 2000m
Standard EN61243-3	2014
Cable length	1.2 m
Dimensions (W x H x D)	approx. 75 x 240 x 30 mm
Weight	approx. 270 g

Item no 3540244

Overvoltage CAT	CAT IV 1000V
LED nominal voltage	± 12/24/50/120/230/400/690/1,000 V 12 – 1,000 V/AC / 12 – 1,500 V/DC
Frequency measurement range	40 – 400 Hz
Input current	≤ 3.5 mA (690 V/AC) ≤ 6 mA (1,500 V DC)
Single-pole phase test voltage range	100 - 1000 V/AC
Phase rotation test	170 - 1000 V
LED display (ELV)	>50 V/AC, >120 V DC
Response time of LED display (at 100% nominal voltage)	1 s
Precision of the LCD (± 6 – 1,000 V AC / 6 – 1,500 V DC)	± 3% ± 3 digit
Peak current	Is <3.5 mA (at 1000 V)
LCD resolution	1 V
Visual flow/diode test	0 – 500 kΩ + 50%
Internal impedance	330 kΩ at ELV-AC
Operating temperature	-5 to +40°C
Storage temperature	-20 to +70°C (no condensation)
Humidity	max 85 % RH

Item no 3540245

Overvoltage CAT	CAT III 1000V / CAT IV 600V
Voltage range	0.5 - 1000 V/AC (16 2/3…950Hz), 0.5 - 1500 V/DC (±)
LED nominal voltage	12/24/50/120/230/400/690/1000V, AC (16 2/3…950 Hz), DC(±)
LED tolerances	according to EN61243-3
ELV indication	LED >50 V/AC, >120 V/DC
Response time	<0.5s (LED); <1s (LCD)
LCD range	0.5 V - 1000 V/AC, 1500 V/DC
LCD resolution	0.1 V (<10 V) and 1 V (>10 V)
LCD accuracy	3% +3 digit >10 V, 3% +5 digit <10 V
Peak current	Is <3.5 mA (at 1000 V)
Single-pole phase test voltage range	100 - 1000 V/AC (40-70Hz)
Phase rotation test	170 - 1000 V phase-to-phase, AC 50/60Hz
Continuity test	Detection range 0 - 500 kΩ + 50%
Resistance measurement	0 - 1999 Ω ± (5% + 10dgt); Resolution 1 Ω
Internal impedance	320 Ω / 5 kΩ @ ELV-AC
Operating temperature	-15 to +55°C
Storage temperature	-20 to +60°C (no condensation)
Humidity	max 85 % RH

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PACKAGE CONTENTS

Main unit // 2x 4 mm test tip adapters // 2x AAA batteries // Operating instructions // (Item no 3540245) 2x CAT III/1000 V test tip covers