

VP-700, VP-710, VP-720 Two Pole Voltage Tester series

A two pole voltage tester series for electricians in industrial and rescom applications.

For use in the voltage range 12...690 V AC/DC, safety rated to CAT IV / 600 V, CAT III / 690 V, with protection degree IP 64, splash-proofed and dust-tight.

The series includes 3 models VP-700, VP-710 and VP-720. All products are built according the latest voltage tester standard EN 61243-3:2010 and are GS approved by German test lab TÜV. All models offers voltage test by LED, phase rotation test and switchable load by two push buttons which avoids unintended tripping of RCD in the circuit under test.

Additionally the two models VP-710 and 720 provide continuity, single pole test and a torch function via a white LED for working in dark areas.

The voltage tester VP-720 offers dual display LED/LC-display and tactile vibration indication.



VP-720

VP-710

VP-700



Comparison table:

Model	VP-700	VP-710	VP-720
Display	LED	LED	LED & LCD
Continuity		■	■
Phase rotation indication	■	■	■
Single pole phase test		■	■
Polarity test	■	■	■
Switchable load	■	■	■
RCD trip (30mA)	■	■	■
Vibration			■
Torch light		■	■
Power supply	from test object	battery	battery

- Voltage test, display by LED's 12...690 V AC/DC
- Voltage test, LC-Display 12...690 V AC/DC (only VP-720)
- Two pole phase rotation indication, »no third hand required«
- Automatic AC/DC voltage indication, indication of polarity
- Switchable Load of 140 W, with two push buttons
- Test of 30 mA RCD by both push buttons, avoids unintended tripping of RCD
- Torch function via white LED (only VP-710, VP-720)
- Single pole test for phase polarity (only VP-710, VP-720)
- Continuity test (only VP-710, VP-720)
- Vibration function (only VP-720)
- GS approved, built according EN 61243-3, DIN VDE 0682-401
- IP 64, splash-proofed and dust-tight
- Measurement category CAT IV / 600 V, CAT III / 690 V
- Probe tip protection for reducing the danger of injuries
- Quick single-hand test on 19 mm contact distance sockets

VP-700, VP-710, VP-720 - Two Pole Voltage Tester series
Technical Data

Voltage Test	
Nominal voltage range	12...690 V AC/DC
LED row	±12, ±24, 50, 120, 230, 400, 690 V
Tolerance	in accordance with EN 61243-3, DIN VDE 0682-401
LC display (VP-720 only)	12–690 V AC/DC
LC display resolution (VP-720 only)	1V
Tolerance of the LC display (VP-720 only)	± (3 % of measured value +3 digit)
Frequency range	DC, 40–70 Hz
Vibration function (VP-720 only)	from approx. 150 V when both pushbuttons are pressed
Voltage detection	automatic
Polarity detection	entire range
Internal load	approx. 2.4 W at 690 V
Test current	< 3.5 mA at 690 V (do not press buttons)
Switchable Load	approx. 140 W at 690 V (with time limit)
Test current with load	< 200 mA (press buttons)
Operation time (DT)	30 s
Recovery time	240 s
Auto-Power-On	> 12 V AC/DC (press buttons), > 24 V AC/DC (do not press buttons)
Single-pole phase test (VP-710, VP-720 only)	
Voltage range	100...690 V AC against earth
Frequency range	40...70 Hz
Continuity test (VP-710, VP-720 only)	
Switching threshold	approx. 500 kΩ
Tolerance	-0 %–+50 % (in accordance with IEC61243-3)
Test current	<5 μA
Overvoltage protection	690 V AC/DC
Phase Rotation Indication	
Voltage range	100...400 V AC against earth
Frequency range	40...70 Hz
Power supply	
Power supply (VP-700)	from test object
Power supply (VP-710, VP-720 only)	2 x batteries 1.5 V micro IEC LR03 AAA
Power input (from battery)	max. 30 mA/ approx. 250 mW
Ambient conditions	
Temperature range	-15°C...55°C
Humidity	max. 95 % rel. humidity (31°C), max. 45 % rel. humidity (45°C)
Height above sea level	0...2000 m
Measuring category	CAT III / 1000 V, CAT IV / 600 V
Pollution degree	2
Protection degree	IP 64
Safety complying to	EN 61243-3, DIN VDE 0682-401
Dimensions (HxWxD)	approx. 280 x 78 x 35 mm
Weight	approx. 270 g (VP-700), approx. 310 g (VP-710, VP-720)

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Optional accessories:
CC-VP-7XX Carrying case

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