





## 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.

- 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







#### 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



**Data Sheet** 

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

### **Technical Data**

Nominal voltage range   1269 V AC/DC
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 100690 V AC against earth  Frequency range 4070 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
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$\begin{tabular}{lll} \hline \textbf{Continuity test (VP-710, VP-720 only)} \\ \hline \textbf{Switching threshold} & approx. 500 k $\Omega$ \\ \hline \textbf{Tolerance} & -0 \% -+50 \% \mbox{ (in accordance with IEC61243-3)} \\ \hline \textbf{Test current} & <5  \mu A \\ \hline \textbf{Overvoltage protection} & 690  V  AC/DC \\ \hline \textbf{Phase Rotation Indication} \\ \hline \end{tabular}$
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Phase Rotation Indication
Voltage range 100400 V AC against earth
Frequency range 4070 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°C55°C
Humidity max. 95 % rel. humidity (31°C), max. 45 % rel. humidity (45°C)
Height above sea level 02000 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)

# AMPROBE TEST TOOLS EUROPE BEHA-AMPROBE GmbH

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**Optional accessories:** CC-VP-7XX Carrying case

Pub\_ID: 11760-eng