

# The generation DUSPOL® Voltage Testers

safe voltage testing up to 1000 V

## The international standard for voltage testers IEC EN 61243-3 (VDE 0682-401) increases safety for work under voltage

Your work as an expert requires safe testing. Therefore, you should not make any compromises concerning safety! Voltage testers which are used on electrical systems of up to 1000 V have to comply with the standard IEC/EN 61243-3 (VDE 0682-401):2015. The standard creates uniform testing and safety criteria on an international level and remarkably which concentrates on user safety.

The generation of DUSPOL® voltage testers exceeds the demands of the standards concerning both the protection category for housings (IP 65) and overvoltage protection (CAT IV 600 V). The nominal voltage range has been increased to a minimum of 1000 V AC/DC in order to ensure safe testing of increased system voltages of industrial applications, photovoltaic systems and wind power plants as well as of hybrid automotive engineering.

- 1**  
phase-sequence test  
(counter-clockwise/clockwise)
- 2**  
sensor of non-contact  
cable break detector
- 3**  
single-pole  
phase test
- 4**  
measuring point  
illumination
- 5**  
acoustic and optical  
continuity test
- 6**  
frequency indication
- 7**  
LC display with  
background lighting

DUSPOL® digital  
1000 V AC  
1200 V DC  
CAT IV 600 V

**7**  
voltage indication  
1 – 1000 V AC TRUE RMS  
1 – 1200 V DC  
**TRUE RMS**

resistance measurement and  
diode test with conductingstate  
voltage indication

**8**  
load connection via  
push buttons  
**FI/RCD**  
OFF / ON

**9**  
vibrating alert in  
the test handle  
**VIBRATION**

**10**  
housing with protection  
against dust and water jets  
**IP 65**



DUSPOL® expert  
1000 V  
AC/DC  
CAT IV 600 V

DUSPOL® analog  
1000 V  
AC/DC  
CAT IV 600 V



All DUSPOL® voltage testers are equipped with a direct display system without loading the test point. In case of need, a load circuit can be connected via a push-button which suppresses inductive and capacitive reactive voltages. Thus, it is possible to clearly distinguish between high-energy and low-energy electric circuits.

A vibrating motor can be activated additionally. The vibrating power of this motor increases proportionally to the applied voltage. This is an additional indication of voltage being applied.

The DUSPOL® voltage testers underlines once again the BENNING expertise in the field of testing, measuring and safety technology. With a DUSPOL® voltage tester you acquire an innovative product which has been tested and approved by the independent VDE Test and Certification Institute.