

# Winding insulation tester

## CDG 7000



The EPOWERSYS CDG series are capacitive discharge generators designed for detecting winding insulation defects in:

- Coils
- Generators/Motors
- Solenoids
- Transformers

In addition to the validation of the insulation, the high voltage test can provide the inductance value of the *DUT* and detailed information about the displayed output waveform like the phase, the duration of the discharge and the peak values.

### Operation

- Adjustable capacitor charging voltage up to 7000V to be discharged through the device under test.
- Outstanding graphical user interface showing:
  - Graphical plot of the output voltage and output current
  - Waveform parameters
- Option to charge previously saved load waveforms for comparison purposes
- Data storage possibility either in the local 1GB NAND flash memory or in an external USB drive, as well as print option

### Customization

The CDG Series may be manufactured with different capacitance and maximum output voltage values on request

### CDG 7000 specifications summary

Output voltage	7000 V
Pulse Energy	49 J
Output peak current	2000 A
Dynamic range	100-7000V
Voltage setting	±10 V
Minimum load inductance	50 $\mu$ H
Deviation between set point and output value	±1% @ Vmax
Mains voltage	Single phase 230V- 50/60 Hz

### Highlights

- High pulse energy of 49 J with up to 2000 A peak current
- Detailed graphical user interface
- USB 2.0 port for data storage
- 1GB flash memory
- Ease of use and control
- Maximum reliability and safety