

# POWER PACK II

## FOR iTIG II WINDING ANALYZERS



## PP-II

### THE ONLY TRULY PORTABLE 18-30 kV POWER PACK ON THE MARKET

**Unique technology:** Electrom Instruments' unique voltage generation and control technology has not only enabled us to make the lightest weight 30kV 45J Power Pack on the market, but also to make the Surge and Hipot tests automatic with a surge pulse frequency that is significantly higher than other power packs.

**Advantages:** We offer advanced hardware and software technology to provide you with more features and benefits at the lowest price available on the market.

**Shop & field tests:** The PP-II is built for both shop and field testing with a rugged case, the same size as the iTIG II. You no longer have to haul a 300+lbs/140kg tester around.

**Easy to use:** The package of features in the PP-II and iTIG II make this high voltage tester very easy to use. Tests can be automatic. You can set up test profiles and parameters in advance, or use default settings. And, the PP-II can be used with multiple iTIG IIs.

**Tests performed:** The PP-II is used together with the iTIG II. They are connected with a low voltage communication cable, and the PP-II has its own high voltage output leads.

For a complete set of tests, winding resistance, impedance measurements and megohm/DAR/PI are done with the iTIG II. Hipot, Step Voltage and Surge comparison tests are done with the PP-II. Test progression and results are displayed and stored in the iTIG II. Complete reports are generated.



PP-II ready to be taken to the field



iTIG II & Power Pack II 30 kV

# PP-II SPECIFICATIONS

The PP-II comes in 18 kV, 24 kV and 30 kV maximum DC Hipot and Surge outputs. They can be connected to any model of the iTIG II and iTIG II MINI.

Automatic PP-II tests are available dependent on the iTIG II model it is connected to.

- iTIG II Models A & B: manual Hipot/Step Voltage and automatic Surge tests.
- iTIG II Models C & D: Hipot/Step Voltage and Surge can be automatic, and programmable with the D model.

The PP-II switches automatically between Hipot and Surge when a test is selected on the iTIG II.

In Surge, lead switching between the phases is done manually by the operator. The PP-II has one test and three ground/return leads.

**NOTE:** The PP-II is calibrated independently from the iTIG II. The two instruments never have to be calibrated together. It can therefore be used with multiple iTIG II and iTIG II MINI testers providing flexibility and reduced cost.

Specifications for the Power Packs are the same except for max output voltage and surge energy



iTIG II & Power Pack II 30kV

SURGE	
Surge Voltage Accuracy	10 %
Pulse Repetition Rate	5 Hz
Discharge Capacitance	100 nF
Max Surge Energy at 30 kV	45 J
24 kV	29 J
18 kV	16 J

DC HIPOT	
Voltage Accuracy	2%
Current Accuracy	2%
Current Trip-out	0-2000 $\mu$ A

**Weight:** 50 lbs/23kg  
**Power input:** 110-240V  
 $\pm$ 10% 50/60Hz

