

POWER PACK II

FOR iTIG II WINDING ANALYZERS



PP-II

THE ONLY TRULY PORTABLE 18-40kV 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 Power Packs 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 & 30kV Power Pack II

PP-II SPECIFICATIONS

The PP-II comes in 18kV, 24kV, 30kV and 40kV 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 are 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

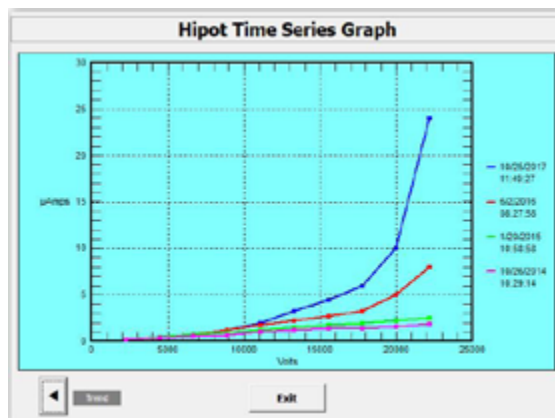
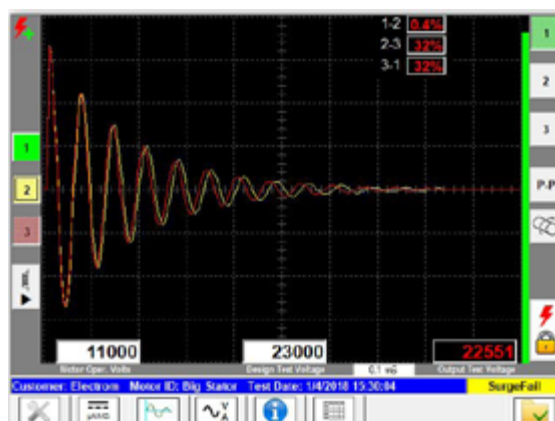
SURGE	18-30kV	40kV
Surge Voltage Accuracy	10 %	10%
Pulse Repetition Rate	5 Hz	2 Hz
Discharge Capacitance	100 nF	150 nF
Max Surge Energy at 30kV	45 J	120 J
24kV	29 J	
18kV	16 J	

DC HIPOT		
Voltage Accuracy	2%	2%
Current Accuracy	2%	2%
Current Resolution	0.01 μ A	0.01 μ A
Current Trip-out	10 μ A - 2 mA	10 μ A - 2 mA

POWER & CASE PROPERTIES			
Weight		49 lbs/22kg	83/37
Dimensions	cm	54x23x55	54x28x66
	inches	21x9x22	21x11x26
Power Input		110-220V \pm 10% 50/60Hz	



MINI, iTIG II, 30kV Power Pack II & 40kV Power Pack II



Multiple Hipot Step Voltage Tests done over time