

iTIG IV

Electrom Power Pack

The Electrom® Power Pack boosts testing voltage.

Use the Electrom Power Pack with the iTIG IV instrument to boost outputs to 18kV, 24kV, 30kV and 40kV. The Power Pack is compatible with the iTIG IV and most iTIG II & III-Series configurations and generations. The lightest and most portable power pack on the market is easy to use with automatic settings provided by the iTIG IV via a low voltage communication cable. The Electrom Power Pack is built for the shop and the field with rugged, stackable cases for maximum space savings.



Electrom Power Pack

18kV, 24kV, or 30kV



Electrom Power Pack

40kV

Automated Tests

The level of automation during testing with the Power Pack depends on the level of automation in the iTIG IV. PI, DC Hipot Step Voltage and Ramp tests can be completed automatically with the C and D models or manually with the A and B model. Automatic settings and controls are provided by the iTIG IV via a low voltage communication cable.

Independent Calibration

The Power Pack is calibrated independently of the iTIG IV. This means that it can be added to an iTIG IV at any time without the instruments coming back to the factory for upgrades or re-calibration. It also means it can be used with multiple iTIG IVs at the shop or in the field. This is a big cost saving for companies with multiple iTIG IV motor testers.



Staging the iTIG IV and Power Pack before field testing pump motors at Power Zone Equipment, Inc.

Portable High Voltage Testing

The Power Pack is the most portable high voltage power pack available. For high voltage testing in the field, no other power pack is as small, light weight and easy to carry by hand. The carry case is rugged and stackable for maximum space savings.



Carry Cases:
40kV (left)
18-30kV (right)

Pelican® shipping and travel case

Ship instruments and power packs in an optional custom Pelican® case. Custom foam inserts protect the contents. A branded decal let's you know what's inside. Roller wheels and an extendable handle make transport easy and convenient.



Dimensions, Weights, and Specifications

Power Pack: Carry Case Dimensions			
	Length	Width	Height
18kV - 30kV	21.4 in.	21.2 in	9.1 in.
	55 cm	54 cm	24 cm
40kV	27 in.	21.2 in	11 in.
	66 cm	54 cm	28 cm

Power Pack: Shipping Box Dimensions			
	Length	Width	Height
18kV - 30kV	27 in.	14 in	26 in.
	69 cm	36 cm	67 cm
40kV	34 in.	18 in	24 in.
	87 cm	46 cm	61 cm

Power Pack: Product and Shipping Weight		
	Product Weight	Shipping Weight
18kV - 30kV	49 lbs.	55 lbs.
	22 kg	25 kg
40 kV	84 lbs.	126 lbs.
	39 kg	58 kg

Power Pack: Specifications		
Surge test	18-30kV	40kV
Max Output Voltage	18-30kV	40kV
Pulse Repetition Rate	5 Hz	2.5 Hz
Surge Voltage Accuracy	10%	10%
Discharge Capacitance	100 nF	150 nF
Max Surge Energy	45 J	120 J
DC IR and Hipot		
Max Output Voltage*	18-30kV	40kV
Voltage Accuracy*	2%	2%
Current Resolution	0.01 μ A	0.01 μ A
Current Accuracy	2%	2%
Current Trip-out	10-2,000 μ A	10-2,000 μ A
Power Properties		
Input Power (VAC)	100-240	100-240
Fuse Size (250V)	5A	5A

*Use the iTIG IV for low voltage measurements, IR/ Megohm test, and high voltage tests up to its rated voltage before using the Power Pack.