



Baker PP24

The effective solution for testing high voltage windings

The PP24 power pack bring the latest innovation in the testing of electrical insulation systems. This impulse generator features the proven accuracy and reliability of over 45 years of experience.

Designed for shop or field performance, this high voltage generator provides a cost effective solution to large motor testing. These power pack represents Baker Instrument Company's on-going commitment to quality in the design of high performance test equipment.



The PP24 is a high performance impulse generator that is capable of testing high voltage windings. The output is controlled by a variable transformer from 2,000 V up to a maximum of 24,000 V.

The PP24 performs both surge and DC high potential tests when used with the AWAIV-12, AWAIV-6, D3R, D6R, and D12R as the control and display. It incorporates a supply monitor for safe operation from a well grounded supply. In addition, 45 kV rated test lead cables are provided.

The surge generator is designed to provide IEEE 522-2004 compliant test voltages. The key design element of the surge test circuit is it meets the requirements for IEEE 522-2004 compliant test voltages. The tester supplies 0.1 to 0.2 μ S voltage pulses to the coil or winding under test. Voltage rise time is 100 to 200 ns (0.1 to

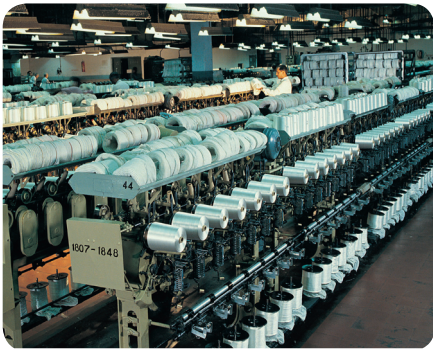
0.2 μ s), so the PP24 complies with IEEE Standard 522-2004 and IEC Standard 34-15 when testing motor windings and coils.

The DC high potential (HiPot) test can also be done using these power packs. A test voltage is set by the output control from 2,000 V up to 24,000 V. Current is displayed and an overcurrent trip circuit monitors the test. If current exceeds the trip level, the test is automatically halted. In its most sensitive setting, the protective circuit will operate as low as 10 μ A.

In addition, the host units monitors current. This provides a redundant level of safety for the DC high potential test.

The PP24 provides power and accessory connections from the host unit. These features make the PP24 a powerful and advanced impulse generator.





Surge test

Maximum output voltage	24,000 V
Maximum output current	1,000 A
Maximum pulse energy	20 J

DC high potential test

Maximum output voltage	24,000 V
Maximum output current	1,000 μ A
Overcurrent trip	10/100/1000 μ A
Current ranges	1/10/100 μ A

Physical characteristics

Weight	130 bs
Dimensions	25x17x20 in.
Power requirements	120VAC 15A, 50/60Hz or 220VAC, 8A, 50/60Hz.

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