



Welcome to



**New at PJ Electronics!**... 2 new **20KV Bench** models of PJ High Frequency Surge Testers - (1) the "SP20" Model: a 20KV High Frequency Surge Tester with a 20KV DC Hi-Pot Tester in a Bench cabinet and (2) the "S20" Model: a 20KV High Frequency Surge Tester in a Bench cabinet. We are the **only manufacturer on the Market that offers a 20KV transportable Bench Model!** Plus, all of our Digital Surge and Surge / DC Hi-Pot Testers come standard with USB ports, PC Communications / Interactive Measurement Software and a bonus USB Flash Drive... at no additional cost!

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"Our voltage rise time is faster than lightning!"



We are the **only** manufacturer that employs **High Frequency Technology**. High frequency technology is accomplished by use of a **bi-directional switch** which **no one** in the industry has! (**All competitor testers** used in the market today **use a uni-directional switch** as the primary discharge device. This method of discharge is classified as an *impulse* and the tester in which this switch is employed is called an Impulse Tester, **not a Surge Tester**).



**PJ Electronics** is the **only manufacturer** with an entire line of surge testers that exhibit a voltage rise time **that meets the IEEE Standard 522-1992, IEC 34-15 i.e., 0.1 micro-seconds.**



**All** of our Surge Testers resonate / pulse the load coils at **60 pulses per second**. Typical Impulse Testers pulse their load coils around *5 pulses per second at a much slower rise time.*



**PJ Electronics** is the **only** manufacturer that can accurately generate voltage to any type of load and give 100% accuracy in the verification of our voltage. Factory voltage calibration on all PJ Surge testers is traceable to NIST (National Institute Standards and Technology). Our customers can actually verify the output voltage, as displayed on the panel meter, for themselves at any time. This is accomplished by using an optional calibrated High Voltage Probe in conjunction with our Tektronix Digital Oscilloscopes that we supply with every one of our testers.



**ALL** PJ Surge Testers come equipped with a standard feature to test grounded or ungrounded **Fully Assembled Motors** without rotating the rotor.



Whether your application for a Surge Tester relates to Manufacturing, Re-building, Quality Control, Preventive, Predictive Maintenance or Laboratory R&D, a PJ High Frequency Surge Tester **will** improve your product reliability by uncovering: weak/defective coils, connection errors, wrong turn count in a coil winding, phase unbalances, opens, grounds, shorts, ground faults, etc..



A partial list of items that should be tested with our PJ Surge Tester are: Low Impedance Coils, Field Coils, High Impedance Coils, Chokes/Reactor Coils, AC / DC Generators, Transformer Coils, Solenoid Coils, DC Armatures, Electro-Magnetic Coil, Stators, Multi-Phase Stators, Random Wound Coils, Formed Coils, and All Types of Motors.

**PJ Electronics offers more models** from which to choose! There is NO reason to pay for features that you do not need.

For over a third of a century, we have dedicated our Engineering and Research & Development to produce a High Frequency Surge Tester that is unparalleled for testing the integrity of insulation in all electric motors, generators, transformers, and all types of windings.