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**Electrical Safety
& Test Equipment
for the Appliance &
Consumer Product Industries**

XITRON
By **VITREK**

VITREK

Leading Supplier of Electrical Safety & Test Equipment for 25+ Years.

Appliance & consumer product manufacturers have a unique set of requirements for the testing of their products. Vitrek can provide you with the most affordable and cost effective solution for your unique compliance & safety testing applications.

Vitrek' electrical safety testing equipment supports a variety of product safety certifications for manufacturers of large and small appliances, computer equipment and other consumer products. Following are a few of the safety certification tests performed using Vitrek products:

- UL (United States)
- EN/IEC (European)
- CSA (Canada)
- JEIDA/MITI (Japan)



In addition, Vitrek can support testing of all product classifications including Class I, Class II and Class III to ensure the safety of the tested product.

V7X Series Hipot Testers

Vitrek's V7X Series electrical safety testers are the industry's choice for Hipot testing requirements. Consumer product manufacturers utilize the V7X on production lines for testing up to 5KV safety testing applications. The V7X is equipped with a color LCD touchscreen for ease of programming & use, and sets the standard for price and performance. Compact and rugged, the unit is Made in the USA and meets UL, CSA, TUV and IEC Hipot requirements. The V7X provides unbeatable speed, accuracy, user safety and reliability.

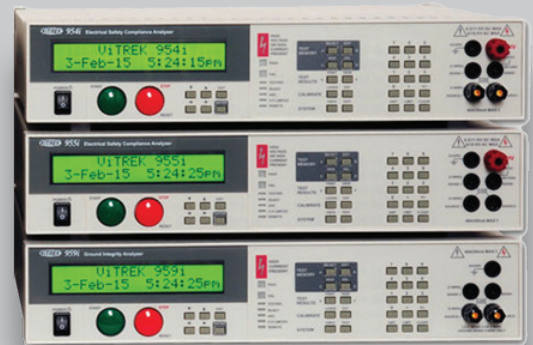
Choose from six low-cost models offering AC & DC Hipot to 5KV, leakage current measurement to 100 nano-amps, Insulation Resistance to 450 GΩ, ground bond to 30 amps and built-in switching. Combine all that with USB, RS232 and Digital I/O interfaces, plus a two year warranty, no other Hipot tester can compare.



95X Series Hipot Testers

The 95X Series of Hipot testers provides the power and versatility for your most demanding electrical safety test applications. For production applications above 5KV test voltage, the 95X provides the features and capabilities you need for complete safety compliance.

The 95X features DSP technology to bring you the safest, fastest, most capable, feature-rich Hipot tester available. The 95X Series combines high output power with a range of AC & DC voltage outputs and extremely low leakage current measurement. Then we added a 4-wire milli-ohmmeter with dynamic range up to 100K ohms and an overlapping Tera-ohm class Insulation Resistance function. Top that off with an available 40 Amp ground bond capability and you can see that the 95X Series is the ideal choice for most electrical safety testing requirements.



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964i High Voltage Switching (Multi-Conductor, Multi-Point Hipot Testing) System

Vitrek's 964i High Voltage Switching System is the ideal choice for automated multi-conductor, multi-point hipot testing. You have a job to do – you have to hipot test an appliance cable at 1800V to ensure that each conductor is properly isolated from every other conductor. You have two choices, you can try to do it manually or you can use the Vitrek 964i multi-conductor hipot tester to automatically route the HV and return signals to the proper test points.



The manual method is extremely problematic. Slow, error prone, labor intensive, operator hazardous – and don't even think about recording the test results. The 964i on the other hand, is purpose built to fully automate all of your high voltage switching needs. Choose the 964i High Voltage Switching System for your next multi-conductor test requirement.

Power Analyzers

Vitrek offers a variety of power analyzers to meet your specific requirements. Our precision harmonic power analyzer, the PA920 is the most accurate power analyzer available on the market today (0.024%). It is flexible, easy-to-use and provides high performance — at a price that won't break your budget. Most appliance and consumer product manufacturers utilize power analyzers in their design and development departments to evaluate power usage and efficiency of a new or enhanced product.



The PA920 delivers multi-channel, high-accuracy, wide-band performance to tackle the toughest energy analysis applications. The PA920's modular design can hold up to 4 channels of power measurement in any combination of different channel card types.

DL Series DC Electronic Load

Vitrek's DL Series of DC Electronic Load devices are the ideal choice for testing a wide variety of appliance and consumer products. The DL Series helps streamline testing of power sources that are integral to the consumer product or appliance.

The design utilizes high performance semiconductors with high speed and high accuracy, and wide dynamic range of loading from 10 μ W to 14.5 kV. The DL Series offers transient and non-linear loading capabilities and sweep feature. The highly accurate (0.035% base voltage and current accuracies) enables use in a wide range of applications from production line settings to the engineering bench.



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98X Teraohmmeter/IR Tester

The 98X Series Teraohmmeter/IR tester is designed to tackle the toughest high resistance measurement applications that most other IR testers won't measure up to. Consumer & appliance manufacturers choose the Vitrek 98x IR tester in their product development department to ensure their products are meeting their insulation resistance requirements up to 50 Teraohms.



Built upon the same DSP technology that has established Vitrek as a leader in hipot test systems, the 98X devices feature a unique combination of performance features including:

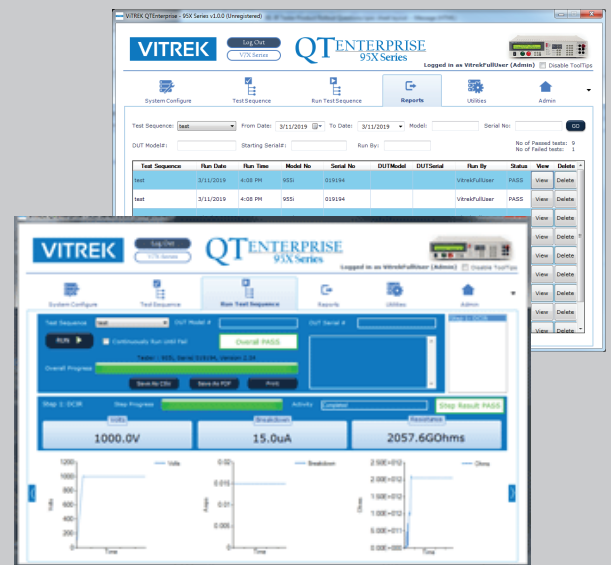
- Multi-Dwell Functionality (multiple steps without having to return to zero between steps)
- High Speed Testing (with dwell times as low as 100 ms)
- Pico-Amp Leakage Measurement (with stable and precise 50 Teraohm IR readings)
- Continuously Variable IR Test Voltage (adjustable over the full output range of the instrument)
- Multi-Mode Insulation Resistance Tests (three test modes - end on time, end on pass, end on fail)
- Capacitance Test Modes (critical for solar panels, cable harnesses and other capacitive loads)

QT Enterprise Software

QT Enterprise is the most powerful and flexible electrical safety test automation software available on the market today. QT Enterprise software is available for use with Vitrek V7X & 95X Series Hipot testers, 9641 HV Switching system, and the 98X Series of IR Testers to streamline your test sequences and record keeping while providing the features you want...and need...for your electrical safety tests.

Procedures stored via QT Enterprise can be recalled via a bar coded scan to enable fast and accurate setup. For complex setups, QT Enterprise can display detailed instructions and images to the operator to ensure proper connections prior to testing.

Data from every test is recorded and can be recalled for auditing purposes or detailed analysis on testing or product performance.



Join the leaders in the appliance and consumer product industries and choose Vitrek for all of your safety and compliance testing applications:



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To schedule a **FREE Product/Application Review** e-mail info@vitrek.com or schedule a meeting online at www.Vitrek.com/applicationreview

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