

End Of Year Promotion

Vitrek Cable Test Solutions

964i High Voltage Switching System - 10% Off
Pair with the 95x Hipot Tester for 15% off

VITREK Order By 12/31/24



Test High Voltage Cables Faster & Without Errors

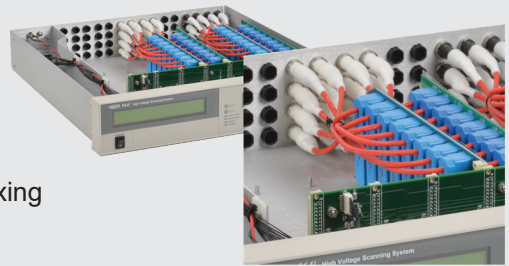
Together the Vitrek 964i and 95x can quickly and automatically perform the scores of tests needed to qualify multi-conductor high-voltage cables for a variety of applications.

The 964i high-voltage switch can be programmed to index through a variety of tests on a fixtured cable without the risk of human error or injury.

The system is anchored by the high-precision 95x series hipot tester, which can verify the insulation integrity of cables, measure leakage currents and low-resistance/continuity.

In tandem, the Vitrek 964i and 95x dramatically reduce the needed testing time for multi-conductor cables and the pair can automatically be quickly reprogrammed for another completely different harness.

- **Efficient:** 964i works quickly and automatically, reducing direct labor and overhead costs.
- **Flexible:** With a program change, the 964i resistor networks can be reconfigured to test a different harness or PCB.
- **Safe:** Handling high-voltage cables can be dangerous. The auto-indexing 964i minimizes chances for injury.
- **Scalable:** Each 964i can control 64 SPST relays. Where more contact points are needed, two boxes can be stacked and more 964is can be easily daisy-chained.
- **Precise:** The 95x is a uniquely accurate hipot tester. By automating the test process, human error is minimized.
- **Traceability:** Vitrek's QT Enterprise software enables in-process data collection and helps maintain detailed records for safety compliance.



Orders must be placed with Vitrek by 5:00pm Central time on 12/31/2024. Offer only applies to the specified products and cannot be combined with any other promotion or discount. Orders placed for the 964i will receive 10% MSRP. Orders for the 964i and a 95x Series Hipot tester receive total 15% off MSRP. Void where prohibited. Manufacturer reserves the right to modify or cancel this promotion at any time, without prior notice.

Cable Testing

Applications

Cable testing is crucial to ensure compliance with regulations and standards. Thorough testing is time-consuming when the cables are power cables for special environments. The 964i/95x products are especially well-suited for the following industries where the costs of errors and non-compliance are high:

- Telecommunications
- Aerospace and Defense
- Automotive, Electronics & Appliance Manufacturing
- Medical Devices
- Industrial Automation



The 964i Value Proposition:

Accuracy, Speed and Safety

Hipot testers measure leakage current and insulation resistance between all cables, components and connections. They can confirm solid ground connections and test ground bonds not only in cables but in PCBs as well.

Most compliance tests require both the sequential application of precise and controlled high voltages or currents between pairs of elements as well as the accurate measurement and recording of the results.

Examples:

A connector assembly with multiple conductors requires a unique test for each pair of contacts as well as between each contact and adjacent wires and then the connector body.

A four-conductor cable might require 20 separate tests, but each test requires up to 4 connections:

- Continuity on each conductor – 2 wire or 4 wire Kelvin test
 - Insulation resistance between each conductor and ground or shell – 4 tests
 - Insulation resistance from each conductor to all the other conductors – 12 tests
- A 24-conductor cable will most typically require at least 48 sequential tests, but the number of connections can soar to as high as 578 depending on the cable complexity.

In the above scenarios the 964i/95x switching system can improve labor productivity and/or throughput by orders-of-magnitude compared to traditional test methods. Moreover manual test methods are also susceptible to errors:

- Were all combinations tested?
- Were some duplicated?
- Have all conditions been met?
- Did the operator properly record the data?

Vitrek's 964i/95x Hipot test system provides an ideal productivity improvement tool for both high-volume/low-mix and low-volume/high-mix operations.

- Change-overs are quick: The relay networks and switches in the 964i can be reconfigured via software commands.
- Measurement tracking is simple: Vitrek offers the QT family of software to automatically track the measurements for easy storage.

The 964i/95x test system can confirm electrical compliance with the following NRTL standards:

