

Over 5000 VXI cards and mainframes in stock. 1000's of pieces of Test Equipment in stock.



Looking for Test Equipment?  
Visit us on the web at  
[www.recycledequipment.com](http://www.recycledequipment.com)

Recycled Equipment buys, sells, and repairs VXI cards, VXI mainframes and Test Equipment. We have tens of thousands of pieces of Electronic Test Equipment and one of the worlds largest selections of VXI cards. We have VXI cards by almost every manufacture; from Agilent to Ziatech. **Every item on our website is IN STOCK and ready to ship with in 24 hours.**

### **Sell your equipment for cash**

Recycled Equipment is interested in buying your surplus equipment! Call us today at **(410)685-1997** or email to **recycled@usimperio.com**

### **Sell your equipment on consignment**

Recycled Equipment can sell your equipment on consignment. This allows you to get retail prices for your equipment with out the hassle.

**(410)685-1997 sales@recycledequipment www.recycledequipment.com**



# Instruments for Electrical Safety Compliance Testing

- [Site Map](#)
- [Company History](#)
- [The Right Choice](#)
- [Our Customers](#)
- [Patents](#)
- [Contact AR](#)
- [Testing Instruments](#)
- [Systems](#)
- [Software](#)
- [Accessories](#)
- [Training](#)
- [Service & Support](#)
- [North America](#)
- [South America](#)
- [Europe](#)
- [Near East](#)
- [Asia](#)
- [General](#)
- [General Testing](#)
- [Application](#)
- [Agency Compliance](#)
- [Automation](#)
- [Repair/Calibration](#)
- [Ask Us A Question](#)
- [Articles](#)
- [White Papers](#)
- [Glossary of Terms](#)
- [About AR](#)
- [Hot News](#)
- [Products/Services](#)
- [Local Sales Offices](#)



 **Order Now!**

LINECHEK was designed to automate line leakage testing in a production line or laboratory environment for safety agency compliance testing to UL 544, UL 2601, UL 563, UL 3101, IEC 1010, IEC 601-1 and European Norms (EN) to meet the requirements of the Low Voltage Directive, the Medical Directive, and others.

While medical electronic manufacturers have been performing line leakage tests for many years as a "design" or "type" test many have begun performing a line leakage test on 100% of their production lines to ensure quality, for record-keeping and insurance requirements. In addition, with the adoption of new council directives such as the Low Voltage Directive and Medical Directive new European Norms (EN) adopted by the European Community specify not only a Hipot, Insulation Resistance and Ground Bond test but also include a Line Leakage test.

 **FEATURES/BENEFITS**  **SPECIFICATIONS**  **OPTIONS**  **3D TOUR**



## **LINECHEK** **Features & Benefits**

**Feature** Automatically switches through the 8 most common safety tests

**Benefit** No need to manually set up the test or switch test leads around.

**Feature** The 5 most common measuring devices are built-in and can be selected through software control

**Benefit** A versatile tester that can be set-up to meet multiple specifications without the need for complicated external connections.

**Feature** Fully complies with the latest European Norms

**Benefit** Complies with the latest EN such as the Low Voltage Directive and Medical directive.

**Feature** Available stand-alone or internally switched

**Benefit** Model 510L can be used as a stand-alone instrument complete with automated control via PLC, RS-232 or GPIB. Model 520L can be used with other AR safety instruments to form a fully automated system with a SINGLE DUT connection.

**Feature** Programmable security password system

**Benefit** Avoids tampering with settings by allowing only authorized personnel with a user programmable security password to change test parameters.

**Feature** Front panel calibration

**Benefit** All calibration is done through a simple user interface from the front panel. No need to open the instrument.

**Feature** PLC, RS-232 or GPIB control

**Benefit** Provides flexibility for semi-automatic or automatic operation with a choice of communication protocols.

**Feature** Microprocessor control with menu driven software

**Benefit** Microprocessor control allows for many advanced features such as automatic testing, memories and software control.

**Feature** **External measurement circuit**

**Benefit** One external measurement circuit is provided for measurement of other devices.

**Feature** **Separate current trip points for each test**

**Benefit** Each test can have a separate trip point for failure analysis.

**Feature** **50 memories for test storage**

**Benefit** Parameters only need to be entered once then memorized.

**Feature** **Ranges from DC to 1 MHz**

**Benefit** Complies with even the 1 MHz specification for IEC testing.

**Feature** **Complete with software driver**

**Benefit** National Instruments LabVIEW® software driver is provided for automated applications to simplify the testing process.



# LINECHEK Specifications

<b>INPUT</b>	User Selectable 115 VAC ( $\pm 15\%$ ) 47-63 Hz, Single Phase 230 VAC ( $\pm 15\%$ ) 47-63 Hz, Single Phase			
<b>FUSE</b>	2 Amp 250V Slo-Blo			
<b>CURRENT DISPLAY</b>	<b>Range:</b>	0.0 - 29.9 microamps	30 - 999.9 microamps	1000 - 6000 microamps
	<b>Resolution:</b>	0.1 microamp	1 microamp	10 microamps
	<b>Accuracy, DC - 10 kHz:</b>	1.5% Rdg + 5 counts	1.5% Rdg + 5 counts	1.5% Rdg + 2 counts
	<b>Accuracy, 10 kHz - 100 MHz:</b>	$\pm 5\%$ Rdg + 5 counts	$\pm 5\%$ Rdg + 5 counts	$\pm 5\%$ Rdg + 5 counts
<b>CURRENT TRIP</b>	<b>Range:</b>	0 - 6000 microamps		
	<b>Resolution:</b>	1 microamp		
	<b>Accuracy, DC - 10 kHz:</b>	1.5% setting + 2 counts		
	<b>Accuracy, 10 kHz - 100 MHz:</b>	5% setting + 5 counts		
<b>DUT POWER</b>	<b>520L:</b>	10 Amps maximum		
	<b>510L:</b>	30 Amps maximum		
<b>FAILURE DETECTOR</b>	Audible & Visual			
<b>TIMER</b>	0, 1.0 - 999.9 seconds in 0.1 second increments (0 = constant) Accuracy: 0.1% + 0.1 second			
<b>MEASURING CIRCUITS</b>	Five user selectable internal measurement circuits and one external measurement circuit for UL 544, IEC 601, UL 1563, IEC 1010, IEC 950			
<b>MEMORY</b>	Allows storage of up to 50 groups of different test programs and 8 steps per each memory			
<b>SECURITY</b>	User selectable password to avoid unauthorized access to test setup program			
<b>INTERFACES</b>	<b>520L:</b>	Basic PLC, IEEE-488(GPIB), or RS-232 Switching high voltage/high current interface for interconnecting to other AR instruments		
	<b>510L:</b>	Basic PLC, IEEE-488(GPIB), or RS-232		

<b>MECHANICAL</b>	<b>520L:</b>	Bench or rack mount (3U height) with tilt up front feet Dimensions: (W x H x D) 16.29 x 5.39 x 19.68 in. (430 x 137 x 500 mm) Weight: 25 lbs. (11.34 kg)
	<b>510L:</b>	Bench or rack mount (2U height) with tilt up front feet Dimensions: (W x H x D) 17 x 3.5 x 16.5 (432 x 88 x 419mm) Weight: 25 lbs. (11.34 kg)



**LINECHEK**  
**Options**

### Options: Model 510L

Part Number	Description
1-01	RS232 Interface

### Options: Model 520L

Part Number	Description
1-01	RS232 Interface
2-01	LINECHEK to HypotULTRA II Interface Kit
2-02	LINECHEK to QUADCHEK II Interface Kit
2-03	LINECHEK to HypotULTRA II/QUADCHEK II Interface Kit