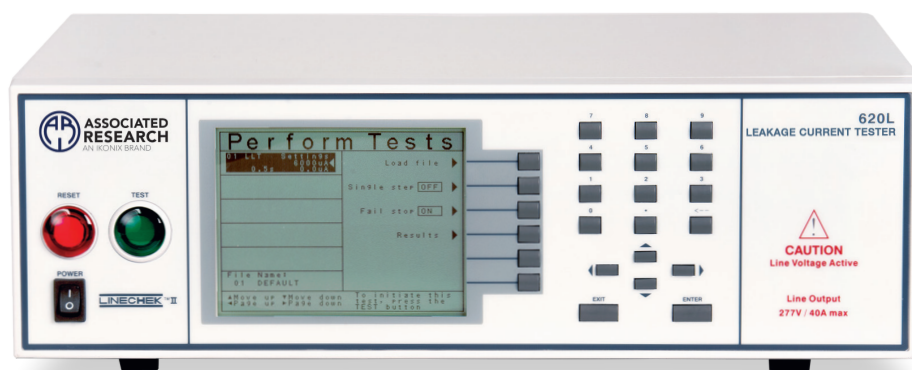


LINECHEK® II

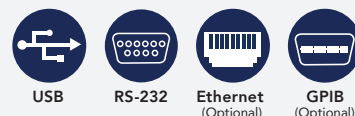
The Fully Automated Leakage Current Instrument that Changed the Industry



Our LINECHEK® II model 620L provides 7 measuring devices (MD's) compliant with international certification bodies as well as a convenient switching network to simulate all 8 required fault conditions, everything you need for full Leakage Current compliance. Utilize the intuitive user interface or control via a PC for more advanced automated applications that require data storage and analysis. The 620L handles up to 40 A of continuous current and can be interfaced to an SC6540 modular multiplexer for multi-point testing. Interconnect the 620L to an OMNIA® II instrument to form a complete electrical safety compliance testing system.



AVAILABLE INTERFACES



SAFETY & PRODUCTIVITY FEATURES



Prompt & Hold
Provides alerts & instructions between tests

Remote Safety Interlock
Easily disable HV output

Active Link®
Continuous power during test steps



PLC Remote
Basic PLC relay control

Modular Multiplexer
Compatible with SC6540 multiplexers

Interconnection
Interconnect with OMNIA® II or HypotUL-TRA® to form a complete test system



Cal-Alert®
Tracks and alerts for calibration

WithStand®
Automation Software

Find the Model that Fits Your Testing Needs



Leakage Current



Functional Run



Power Source Recommended

620L

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INPUT SPECIFICATIONS	
Voltage	115/230 VAC ± 10%, User Selection
Frequency	50/60 Hz ± 5%
Fuse	2 A Slow Blow 250 VAC
LINE CONDITIONS	
Reverse Power Switch	Switch for power polarity reversal
Neutral Switch	Neutral switch on/off selection for single fault
Ground Switch	Ground switch on/off selection for class I single fault
PROBE SETTINGS	
Surface to Surface	(PH – PL)
Surface to Line	(PH – L)
Ground to Line	(G – L)
LEAKAGE LIMIT SETTINGS	
Touch Current High/Low Limit (rms)	Range: 0.0 µA – 999.9 µA / 1,000 µA – 9,999 µA / 10.00 mA – 20.00 mA Resolution: 0.1 µA / 1 µA / 0.01 mA
Touch Current High/Low Limit (Peak)	Range: 0.0 µA - 999.9 µA / 1,000 µA – 9,999 µA / 10.00 mA – 30.00 mA Resolution: 0.1 µA / 1 µA / 0.01 mA
DISPLAY	
Touch Current Display (rms)	Range: 0.0 µA – 550 µA, frequency DC, 15 Hz – 1 MHz Resolution: 0.1 µA DC: 15 Hz ≤ f ≤ 100 kHz: ± (2% of reading + 3 counts) Accuracy: 100 kHz ≤ f ≤ 1 MHz: ± 5% of reading (10.0 µA – 999.9 µA)
	Range: 400 µA – 8,500 µA, frequency DC, 15 Hz – 1 MHz Resolution: 1 µA DC: 15 Hz ≤ f ≤ 100 kHz: ± (2% of reading + 3 counts) Accuracy: 100 kHz ≤ f ≤ 1 MHz: ± 5% of reading, (10.0 µA – 8,500 µA)
	Range: 8.00 mA – 20.00 mA, frequency DC, 15 Hz – 100 KHz Resolution: 0.01 mA DC: 15 Hz ≤ f ≤ 100 MHz: ± 5% of reading (0.01 mA – 20.00 mA)
Touch Current Display (peak)	Range: 0.0 µA – 550 µA, frequency DC – 1 MHz Resolution: 0.1 µA Accuracy: ± (2% of reading + 2 µA) 15 Hz ≤ f ≤ 1 MHz, ± 10% of reading + 2 µA
	Range: 400 µA – 8,500 µA, frequency DC – 1 MHz Resolution: 1 µA Accuracy: ± (2% of reading + 2 µA) 15 Hz ≤ f ≤ 1 MHz, ± 10% of reading + 2 µA
	Range: 8.00 mA – 30.00 mA, frequency DC – 100 kHz Resolution: 0.01 mA Accuracy: ± (2% of reading + 3 counts) 15 Hz ≤ f ≤ 100 kHz, ± 10% of reading + 2 counts
MEASURING DEVICE MODULE	
MD1	UL544NP, UL484 , UL923, UL471, UL867, UL697
MD2	UL544P
MD3	IEC 60601-1
MD4	UL1563
MD5	IEC60990 Fig4 U2, IEC62368-1, IEC60335-1, IEC60598-1, IEC60065, IEC61010
MD6	IEC60990 Fig5 U3, IEC60598-1
MD7	IEC62368-1, IEC61010-1 FigA.2 (2 kohm) for Run function
External MD	Basic measuring element 1 kohm
MD Voltage Limit	70 VDC

DUT POWER	
AC Voltage	0.0 – 277.0 V
AC Current	40 A max continuous
AC Voltage High/Low Limit	Range: 0.0 – 277.0 V Resolution: 0.1 V/step
AC Voltage Display	Range: 0.0 – 277.0 V Resolution: 0.1 V/step Accuracy: ± (1.5% of reading + 2 counts), 30.0 – 277.0 V
Delay Time Setting	Range: 0.5 – 999.9 sec Resolution: 0.1 sec
Dwell Time Setting	Range: 0, 0.5 – 999.9 sec (0=Continuous) Resolution: 0.1 sec Accuracy: ± (0.1% of reading + 0.05 seconds)
Failure Protection	On Start-Up – Neutral Voltage Check (Neutral – V) Over current and ground current check (Line – OC)
GENERAL SPECIFICATIONS	
Memory	50 Memories, 30 steps per each memory File locations can link 900 steps max
Mechanical	Bench or rackmount with tilt-up feet
Interface	Standard: USB, RS-232 Optional: Ethernet, GPIB
Dimensions (W x H x D)	16.93" x 5.24" x 11.81" (430 x 133 x 300 mm)
Weight	26.45 lbs (12 kg)

For reading specifications, please refer to the user manual.

Why We Use Counts

Associated Research publishes some specifications using “counts” which allows us to provide a better indication of the instrument’s capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2 V.

The default of the Adapter Box accessory come in L-N polarity. N-L polarity is available upon request.

Specifications subject to change without notice.