

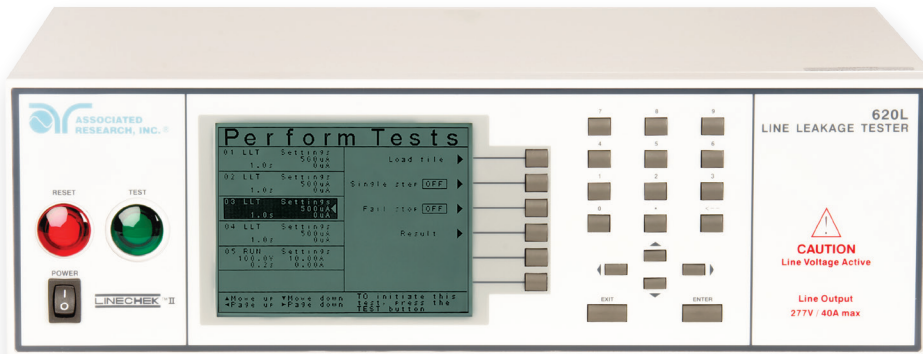
LINECHEK® II

THE FULLY AUTOMATED LINE
LEAKAGE INSTRUMENT THAT
CHANGED THE INDUSTRY

SCAN FOR
QUICK
START VIDEO



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 Line Leakage test 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 scanning matrix 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 on-screen instructions between tests
- Remote Safety Interlock**
Easily disable HV output
- Active Link®**
Continuous power during test steps
- PLC Remote**
Basic PLC relay control
- Modular Scanner**
Compatible with SC6540 scanning matrix
- Interconnection**
Interconnect with OMNIA II to form a complete test system
- Cal-Alert®**
Tracks and alerts for calibration
- Autoware 3**
Use with automation control software
- Accredited Cal**
Accredited calibration options available

Find the Right Model that Fits Your Testing Needs



Line Leakage



Functional Run



Power Source Recommended

620L



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 μ A - 999.9 μ A / 1000 μ A - 9999 μ A / 10.00 mA - 20.00 mA
	Resolution:	0.1 μ A / 1 μ A / 0.01 mA

Touch Current High/Low Limit (Peak)	Range:	0.0 μ A - 999.9 μ A / 1000 μ A - 9999 μ A / 10.00 mA - 30.00 mA
	Resolution:	0.1 μ A / 1 μ A / 0.01 mA

DISPLAY

Touch Current Display (RMS)	Range:	0.0 μ A - 550 μ A, frequency DC, 15 Hz - 1 MHz
	Resolution:	0.1 μ A
	Accuracy:	DC, 15 Hz \leq f \leq 100 kHz: \pm (2% of reading + 3 counts) 100 kHz \leq f \leq 1 MHz: \pm 5% of reading, (10.0 μ A - 999.9 μ A)
	Range:	400 μ A - 8500 μ A, frequency DC, 15 Hz - 1 MHz
	Resolution:	1 μ A
	Accuracy:	DC, 15 Hz \leq f \leq 100 kHz: \pm (2% of reading + 3 counts) 100 kHz \leq f \leq 1 MHz: \pm 5% of reading, (10 μ A - 8500 μ A)
	Range:	8.00 mA - 20.00 mA, frequency DC, 15 Hz - 100 KHz
	Resolution:	0.01 mA
	Accuracy:	DC, 15 Hz \leq f \leq 100 MHz: \pm 5% of reading, (0.01 mA - 20.00 mA)
Touch Current Display (Peak)	Range:	0.0 μ A - 550 μ A, frequency DC - 1 MHz
	Resolution:	0.1 μ A
	Accuracy:	DC: \pm (2% of reading + 2 μ A) 15 Hz \leq f \leq 1 MHz: \pm 10% of reading + 2 μ A
	Range:	400 μ A - 8500 μ A, frequency DC - 1 MHz
	Resolution:	1 μ A
	Accuracy:	DC: \pm (2% of reading + 2 μ A) 15 Hz \leq f \leq 1 MHz: \pm 10% of reading + 2 μ A
	Range:	8.00 mA - 30.00 mA, frequency DC - 100 kHz
	Resolution:	0.01 mA
	Accuracy:	DC: \pm (2% of reading + 3 counts) 15 Hz \leq f \leq 100 kHz: \pm 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, IEC60950-1, IEC60335-1, IEC60598-1, IEC60065, IEC61010
MD6	IEC60990 Fig5 U3, IEC60598-1
MD7	IEC60950, 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: \pm (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: \pm (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	
Dimension	(W x H x D) 16.93 x 5.24 x 11.81 in. (430 x 133 x 300 mm)
Weight	26.45 lbs (12 kg)
Display	320 X 240 graphic LCD
Mechanical	Bench or rack mount with tilt up feet
Memory	50 Memories, 30 steps per each memory File locations can link 900 steps max
Interface	USB/RS232 Standard, Ethernet, GPIB

Why We Use Counts

Associated Research publishes some specifications using "counts" which allows us to provide a better indication of the tester'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=2V.

Specifications subject to change without notice.