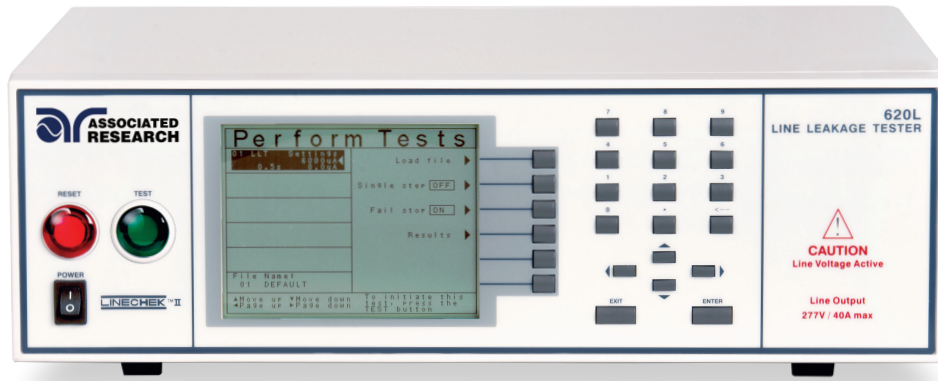


LINECHEK® II

THE FULLY AUTOMATED LINE LEAKAGE 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 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



USB



RS-232



Ethernet
(Optional)



GPIB
(Optional)

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 Scanner
Compatible with SC6540 scanning matrix



Interconnection
Interconnect with OMNIA® II to form a complete test system



Cal-Alert®
Tracks and alerts for calibration



Autaware®3
Advanced Automation Control Software



Accredited Cal
Accredited calibration options available

Find the Right Model that Fits Your Testing Needs



Leakage Current



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 µA - 999.9 µA / 1000 µA - 9999 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 / 1000 µA - 9999 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
	Accuracy:	DC, 15 Hz ≤ f ≤ 100 kHz: ±(2% of reading + 3 counts) 100 kHz ≤ f ≤ 1 MHz: ±5% of reading, (10.0 µA - 999.9 µA)
	Range:	400 µA - 8500 µA, frequency DC, 15 Hz - 1 MHz
	Resolution:	1 µA
	Accuracy:	DC, 15 Hz ≤ f ≤ 100 kHz: ±(2% of reading + 3 counts) 100 kHz ≤ f ≤ 1 MHz: ±5% of reading, (10 µA - 8500 µA)
	Range:	8.00 mA - 20.00 mA, frequency DC, 15 Hz - 100 KHz
	Resolution:	0.01 mA
	Accuracy:	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: DC :	±(2% of reading + 2 µA) 15 Hz ≤ f ≤ 1 MHz, ±10% of reading + 2 µA
	Range:	400 µA - 8500 µA, frequency DC - 1 MHz
	Resolution:	1 µA
	Accuracy: DC:	±(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: DC:	±(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, 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: ± (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

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	Standard: USB/RS-232 Optional: Ethernet, GPIB

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=2V.

Specifications subject to change without notice.