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

Active Link® Continuous power during test steps







PLC Remote Basic PLC relay control

Interconnection Interconnect with OMNIA® II or HypotULTRA® to form a complete



alerts for calibration

Find the Model that Fits Your Testing Needs



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Functional Run

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620L

Remote Safety

Interlock Easily disable HV output





Modular

Multiplexer Compatible with SC6540 multiplexers test system



INPUT SPECIFICATIONS				
Voltage	115/230 VAC ± 10%, User Selection			
Frequency	50/60 Hz ± 5%			
Fuse	2 A Slow Blow 250 VAC			
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: Resolution:	0.0 μA – 999.9 μA / 1,000 μA – 9,999 μA / 10.00 mA – 20.00 mA 0.1 μA / 1 μA / 0.01 mA		
Touch Current High/Low Limit (Peak)	Range: Resolution:	0.0 μA -999.9 μA / 1,000 uA – 9,999 μA / 10.00 mA – 30.00 mA 0.1 μA / 1 μA / 0.01 mA		
DISPLAY				
Touch Current Display (rms)	Range: Resolution: Accuracy:	0.0 μ A – 550 μ A, frequency DC, 15 Hz – 1 MHz 0.1 μ A DC: 15 Hz ≤ f ≤ 100 kHz: ± (2% of reading + 3 counts) 100 kHz ≤ f ≤ 1 MHz: ± 5% of reading (10.0 μ A – 999.9 μ A)		
	Range: Resolution: Accuracy:	400 μ A - 8,500 μ A, frequency DC, 15 Hz - 1 MHz 1 μ A 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 - 8,500 μ A)		
	Range: Resolution: Accuracy:	8.00 mA – 20.00 mA, frequency DC, 15 Hz – 100 KHz 0.01 mA DC: 15 Hz ≤ f ≤ 100 MHz: ± 5% of reading (0.01 mA – 20.00 mA)		
Touch Current Display (peak)	Range: Resolution: Accuracy:	0.0 μ A – 550 μ A, frequency DC – 1 MHz 0.1 μ A ± (2% of reading + 2 μ A) 15 Hz ≤ f ≤ 1 MHz, ± 10% of reading + 2 μ A		
	Range: Resolution: Accuracy:	400 μ A - 8,500 μ A, frequency DC - 1 MHz 1 μ A ± (2% of reading + 2 μ A) 15 Hz ≤ f ≤ 1 MHz, ± 10% of reading + 2 μ A		
	Range: Resolution: Accuracy:	8.00 mA – 30.00 mA, frequency DC – 100 kHz 0.01 mA \pm (2% of reading + 3 counts) 15 Hz \leq f \leq 100 kHz, \pm 10% of reading + 2 counts		
MEASURING DEV	ICE MODU	LE		
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: Resolution:	0.0 – 277.0 V 0.1 V/step		
AC Voltage Display	Range: Resolution: Accuracy:	0.0 – 277.0 V 0.1 V/step ± (1.5% of reading + 2 counts), 30.0 – 277.0 V		
Delay Time Setting	Range: Resolution:	0.5 – 999.9 sec 0.1 sec		
Dwell Time Setting	Range: Resolution: Accuracy:	0, 0.5 – 999.9 sec (0=Continuous) 0.1 sec ± (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)			

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.

Specifications subject to change without notice.