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 40A of continuous current and can be interfaced to an SC6540 modular scanning matrix for multi-point testing. Interconnect the 620L to a Hypot III, HypotULTRA III or OMNIA II instrument to form a complete electrical safety compliance testing system.

Safety agency listed. EN 61010-1 and EN 61010-31

Choose from the following at no charge:

- **USB**
- **RS-232**
- **Ethernet**
- **GPIB**

**PRODUCTIVITY-ENHANCING FEATURES**

<table>
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<tr>
<th>Feature</th>
<th>Description</th>
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<tr>
<td><strong>Active Link®</strong></td>
<td>Continuous power during test steps</td>
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<tr>
<td><strong>PLC Remote</strong></td>
<td>Basic PLC relay control</td>
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<tr>
<td><strong>CAL-ALERT®</strong></td>
<td>Tracks and alerts for calibration</td>
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<td><strong>InterConnection</strong></td>
<td>Interconnect with an OMNIA II, HypotULTRA III or Hypot III</td>
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<td><strong>Internal Scanner</strong></td>
<td>Available with HV scanning matrix</td>
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<td><strong>Modular Scanner</strong></td>
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<td><strong>Autoware2</strong></td>
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<td><strong>Accredited Cal</strong></td>
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<td><strong>Data Storage RS-485</strong></td>
<td>Download data directly to a USB drive</td>
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**SAFETY FEATURES**

- **Prompt & Hold**: Provides on-screen instructions between tests
- **Remote Safety Interlock**: Easily disable HV output

[Request a Live Web Demo](https://example.com/linecheck-web-demo)
### 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**: Reverse polarity switch for normal condition
- **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 / 0.1 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 / 0.1 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: ±0.2% of reading + 3 counts
      - 100 kHz ≤ f ≤ 1 MHz: ±0.5% 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: ±0.2% of reading + 3 counts
      - 100 kHz ≤ f ≤ 1 MHz: ±0.5% of reading,
      - (10 µA - 8500 µA)
    - **Range**: 8.00 mA - 20.00 mA, frequency DC, 15 Hz - 1 MHz
    - **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 + 3 counts)
      - 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 + 3 counts)
      - 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, IEC60665, IEC61010
- **MD6**: IEC60990 Fig5 US, 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 Range**: 0.0 - 277.0 V
- **High/Low Limit 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**: (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, Data Storage (RS-485) Optional

Specifications subject to change without notice.

For more information on testing to a specific standard, refer back to the Common Safety Standard Reference Chart.