



### OVERVIEW

The LKG 610, Electrical Safety analyzer is designed to test any piece of medical equipment. The full featured analyzer is microprocessor controlled and has a full set of ten leads.

The LKG 610 measures line voltage, outlet polarity, device current, earth leakage current, chassis resistance, and case leakage current. In addition it performs lead ISO tests and point-to-point measurements.

Tests are quickly and easily performed when the appropriate test function key is pushed. Measurements results are presented on the large LCD display and measurements units are clearly indicated by an LED. Large switches change the polarity, open and close neutral, and lift the ground. Ten universal lead connectors accept both snaps and any size posts.

Calibrated test points are available to ensure performance accuracy and repeatability. Either the AAMI and IEC 601 test loads may be selected. The receptacle is fused with an accessible 20 Amp fuse and the tester is fused internally. The comprehensive LKG 610 provides the best combination of features, performance, and value of any portable electrical safety analyzer.

### PRODUCT HIGHLIGHTS

- Fast, Accurate, and Easy to Use
- Portable and Lightweight
- Large LCD Display
- Accessible Line Fuse
- Calibrated Test Points
- Selectable Test Loads
- 15 and 20 Amp Capability
- Point-to-Point Testing
- 10 Lead Universal Connector
- Complies with AAMI/ESI 1993
- LED Unit of Measure Indicator

### ORDERING INFORMATION

#### Part No:

535: LKG 610 Electrical Safety Analyzer

#### Standard Accessories (Included):

503: Test Lead for Electrical Safety Analyzer

535-CASE : Hard Carrying Case

### Measures:

- Outlet Polarity
- Line Voltage
- Cord Resistance
- Case/Earth/Leads Leakage Current
- Leads ISO Test
- Instrument Current
- Point-to-Point Measurement

### Operating Voltage:

110VAC or 220VAC (Option)

### Measurement Range:

- Resistance: 0 - 1999 milliOhms
- Leakage Current: 0 - 1999 microAmp
- Instrument Current: 0 - 19.99 Amps

### Calibrated Test Points:

Reference Ground: 1 Ohm Leakage:  
200 microAmp

### Power Requirements:

110 VAC 50 - 60Hz, 20Amp or 220 VAC 10Amp max rated for the test outlet and 0.1 Amps rated for the unit.

### Accuracy:

- Resistance:  $\pm 2\% \pm 1$  LSD
- Leakage:  $\pm 1\%$  of FS DC to 1 KHz  $\pm 1$  LSD  $\pm 2\%$  of FS 1 KHz to 100 KHz  $\pm 4\%$  of FS 100 kHz to 1 MHz
- Instrument Current:  $\pm 2\% \pm 1$  LSD

### Environmental:

- Operating Range: 59 to 95°F (15 to 35°C)
- Storage Temperature: 0 to 122°F (-18 to 50°C)
- Relative Humidity: 90% (max) at temperatures

### Display:

3.5 Digit LCD Display

### Dimensions:

- D x W x H: 8 x 4.25 x 2in (15.24 x 8.26 x 5.72 cm)
- Weight: 2.5 lbs (1.1kg)

