

*Precision ACA leakage current, True RMS*

# ACA LEAKAGE TESTER

Model : DL-9954

ISO-9001, CE, IEC1010



## FEATURES

- \* High precision mA leakage measurement.
- \* ACA 40 mA x 0.01 mA
- \* ACA 400 mA x 0.1 mA
- \* ACA 40 A, 120 A.
- \* True RMS
- \* AC voltage, DC voltage.
- \* Ohms, Diode, Continuity beeper, hold.
- \* LCD display.
- \* DC 1.5V battery ( UM-3, AA ) x 2 PCs.



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***

# ACA LEAKAGE TESTER

Model : DL-9954

## FEATURES

|   |
|---|
| * High precision AC mA measurement, it is useful for AC mA leakage current measurement. |
| * Measure AC mA on the inductive conductor.   |
| * Design meet IEC 1010 CATIII 600V safety requirement.                                  |
| * 4000 counts, auto range and multi-functions.  |
| * Measurement for ACA, ACV, DCV, Ohms, Diode, Continuity beeper.                        |
| * True RMS measuring reading for ACV and ACA function.                                  |
| * Two AC leakage current range : 40 mA, 400 mA .  |
| * Two AC current range : 40 A, 120 A.   |
| * Data hold.  |
| * Relative measurement.   |
| * Crystal time base, high quality.  |
| * LCD display allows clear readout-out even at high ambient light level.                |
| * LSI circuit provides high reliability and durability.                                 |
| * Overload protection circuit is provided for all range.                                |
| * Compact & heavy duty ABS housing fireproof plastic case.                              |

## GENERAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| Display               | 10.8 mm ( 0.39" ) LCD, 3 1/2 digits,<br>Max. indication 4000.       |
| Measurement Range     | ACA, ACV, DCV, Ohms, Diode, Continuity beeper, Relative.            |
| Polarity              | Automatic Switching, " - " indicates negative polarity.             |
| Over-input            | Indication of " OL ".   |
| Sampling Time         | Approx. 0.35 second.  |
| Battery               | 2 x 1.5 V AA ( UN-3 ) batteries.                                    |
| Operating Temperature | 0 to 50 °C ( 32 to 122 °F ).  |
| Operating Humidity    | Less than 80% RH.   |
| Weight                | 251 g/0.55 LB ( including battery ).                                |
| Dimension             | HWD : 191 x 64.5 x 36.1 mm<br>( 7.5 x 2.5 x 1.4 inch )              |
| Max. Jaw Open Size    | 22.3 mm ( 0.88 inch ) Dia.  |
| Accessories Included  | Operation manual..... 1 PC.<br>Test lead ( red & black )..... 1 PC. |

|                      |  |
|----------------------|--|
| Optional Accessories | Carrying case, CA-52A<br>Light Adapter<br>Anemometer Adapter<br>Pressure Adapter<br>Humidity Adapter<br>Tachometer Adapter<br>Sound level Adapter<br>High Voltage Probe. |
|----------------------|--|

## ELECTRICAL SPECIFICATIONS ( 23± 5 °C )

| Function                       | Range   | Resolution | Accuracy                  | Overload Protection   |
|--------------------------------|---|------------|---------------------------|---|
| DCV<br>ACV<br>( true rms )     | 400 mV<br>DC only   | 0.1 mV     | ± ( 0.5 % + 2d )          | <br>AC/DC 600V |
|                                | 4 V   | 0.001V     | DCV :<br>± ( 1 % + 2d )   |   |
|                                | 40 V  | 0.01V      | ACV :<br>± ( 1.2 % + 5d ) |   |
|                                | 400 V   | 0.1 V      |                           |   |
| ACA<br>Leakage<br>( true rms ) | 40 mA   | 0.01mA     | ± ( 1.5 % + 3d )          | <br>AC 120 A |
|                                | 400 mA  | 0.1mA      |                           |   |
| ACA<br>( true rms )            | 0 to 39.99 A  | 0.01 A     | ± ( 1.5 % + 3d )          | <br>AC 120 A |
|                                | 40 to 100 A   | 0.1 A      |                           |   |
|                                | 100.0 to 120 A  | 0.1 A      | ± ( 3 % + 3d )            |   |
| Remark                         | * True RMS measuring reading for ACV and ACA function.<br>* Input impedance for ACV & DCV range is 10 Meg ohm.<br>* ACA, ACV frequency response is from 40 to 1 KHz.<br>* ACA, ACV specification be tested on sine wave 50/60 Hz. |            |                           |   |

| Function   | Range  | Resolution | Accuracy         | Overload Protection  |
|------------|--|------------|------------------|--|
| Ohms       | 400 ohm  | 0.1 ohm    | ± ( 1 % + 5d )   | <br>AC / DC 400 V |
|            | 4 K ohm  | 1 ohm      |                  |  |
|            | 40 K ohm   | 10 ohm     |                  |  |
|            | 400 K ohm  | 100 ohm    |                  |  |
|            | 4 M ohm  | 1 K ohm    |                  |  |
|            | 40 M ohm   | 10Kohm     | ± ( 3.5 % + 5d ) |  |
| Diode      | Short/non conductance, good/defect test.                             |            |                  |  |
| Continuity | If measuring resistance is less than 10 ohm, the beeper will sound . |            |                  |  |

\* Appearance and specifications listed in this brochure are subject to change without notice.