ACL MODEL #390
CALIBRATION INSTRUCTIONS

Equipment Needed:

- Resistance decade box with 1% accuracy resistors – ACL uses a calibration box # 7100.SRM110.KA.T.
- Insulated Screwdriver for adjustment
- Philips hand screwdriver to open the case

Operation:

- Make sure calibration box is grounded.

Test Procedure:

- Place the ACL 390 meter onto the electrodes of the calibration box.
- Each resistance value has to be selected and compared to the reading of the instrument while pressing the test button of the ACL 390
- In case the values do not match, make the following adjustment

Adjusting:

1. Remove the back cove of the housing by unscrewing the four screws on the back.
2. Connect the ACL 390 to the calibration box.
3. Select decade 10^{11} Ω with the rotary switch (3). Adjust the upper pot (P1) with the insulated screwdriver wile keeping the test button pressed, until both values match.
4. Select span 3, 2 x 10^6Ω (1) (2). Adjust the lower pot (P2) until both values match.
5. When a change is made repeat steps to approximate the tolerances to zero.
6. After successful adjustment verify all values again.

LED -Display	Selector	Right rotary switch	Resistor
$< 10^3$	Right	Random, button ZERO pressed	<1 Ω
10^3	Right	10^3	1 k Ω
10^4	Right	10^4	10k Ω
10^5	Right	10^5	100k Ω
10^6	Right	10^6	1M Ω
10^7	Right	10^7	10M Ω
10^8	Right	10^8	100M Ω
10^9	Right	10^9	1G Ω
10^{10}	Right	10^{10}	10G Ω
10^{11}	Right	10^{11}	100G Ω
10^{12}	Right	10^{12}	1T Ω
$>10^{12}$	Right	∞	infinite

LED -Display	Selector	Left rotary switch	Resistor
10^6	Left	1,8 x 10^6	1,8 M Ω
10^6 and 10^7	Left	3, 2 x 10^6	3, 2 M Ω
10^7	Left	5, 6 x 10^6	5, 6 M Ω