

4.2 DCA measurement:

Switch the function selector to A $\overline{\text{---}}$ range.

Press ZERO button to enter the zero reading.

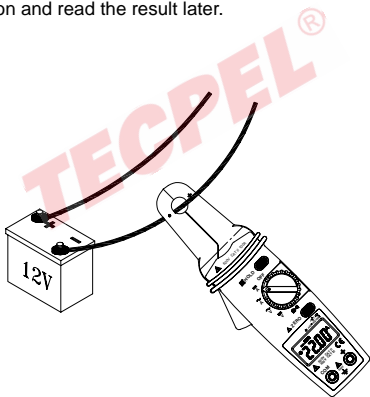
Open the clamp by pressing the jaw-opening handle and insert the cable to be measured into the jaw.

Close the clamp and get the reading from the LCD panel.

Note:

Before this measurement, disconnect any test lead from the meter for safety.

In some cases where reading is difficult, press the HOLD button and read the result later.



4.3 ACV Measurement:

⚠ WARNING!

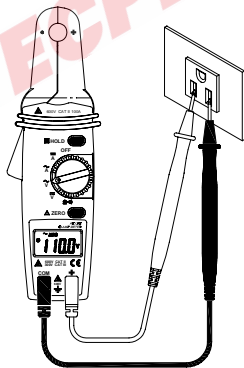
Maximum Input Voltage is 600V AC/DC. Do not attempt to Take any voltage measurement that may exceed this maximum to avoid Electrical shock hazard and/or damage to this instrument.

Switch the function selector to $V \sim$ range.

Connect red test lead to “+” terminal and black one to the “COM” terminal.

Measure the voltage by touching the test lead tips to the test circuit where the value of voltage is needed.

Read the result from the LCD panel.



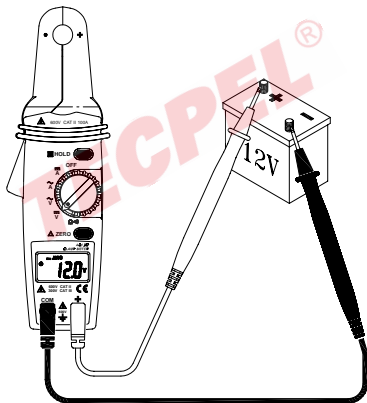
4.4 DCV measurement:

Switch the function selector to $V \text{ --- }$ range.

Connect red test lead to “+” terminal and black one to the “COM” terminal.

Measure the voltage by touching the test lead tips to the test circuit where the value of voltage is needed.

Read the result from the LCD panel.



4.5 Resistance measurement:

Switch the function selector to Ω range.

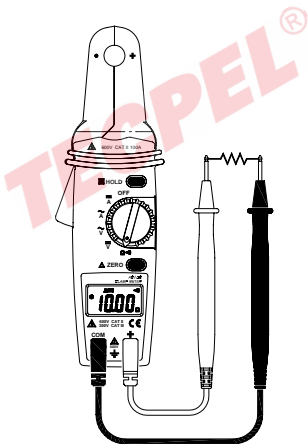
Connect red test lead to “+” terminal and black one to the “COM” terminal.

Connect tip of the test leads to the points where the value of the resistance is needed.

Read the Ohm value from the LCD panel.

Note:

When measuring resistance value from a circuit, make sure the power is cut off and all capacitors are discharged.



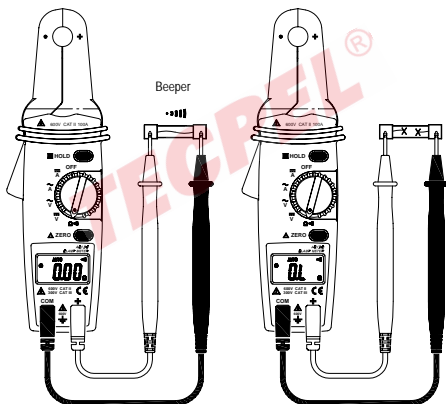
4.6 Continuity Test:

Switch the function selector to Ω (beeper) range.

Connect red test lead to “+” terminal and black one to the “COM” terminal.

Connect tip of the test leads to the points where continuity is to be tested.

If the resistance is under 100 Ω , the beeper will sound continuously.



4.7 Analog Signal Output:

Switch the function selector to A $\overline{=}$ or A~ range.

Connect red test lead to "+" terminal and black one to the "COM" terminal.

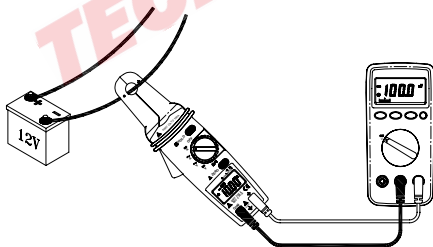
Connect tip of the test leads to the meter or oscilloscope input terminal.

Open the clamp by pressing the jaw-opening handle and insert the cable to be measured into the jaw.


Close the clamp and get the analog voltage signal from the meter.

Note:

If measuring DC via clamp, signal output will be DC voltage. If measuring AC via clamp, signal output will be AC voltage.



V. Battery Changing:

1. When the battery voltage drops below proper operation range the  symbol will appear on the LCD display and the battery will need to be changed.
2. Before changing the battery, switch the function selector to "OFF" and disconnect test leads.
Open the back cover using a screw driver. Replace the old batteries with two UM-4 or AAA size batteries.
3. Close the back cover and fasten the screw.

VI. Maintenance:

CAUTION

To avoid contamination or static damage, do not touch the circuit board without proper static protection.

REMARK

- * Remove the batteries, if the meter is not used for extended periods of time. Do not store the meter in a high temperature/humidity environment.
- * When measuring current, keep the cable at the center of the clamp to get more accurate readings.

CLEANING

Periodically wipe the case with a dry cloth and without detergent. Do not use abrasives or solvents on this instrument.