M8 Transistor Tester
Installation Instruction

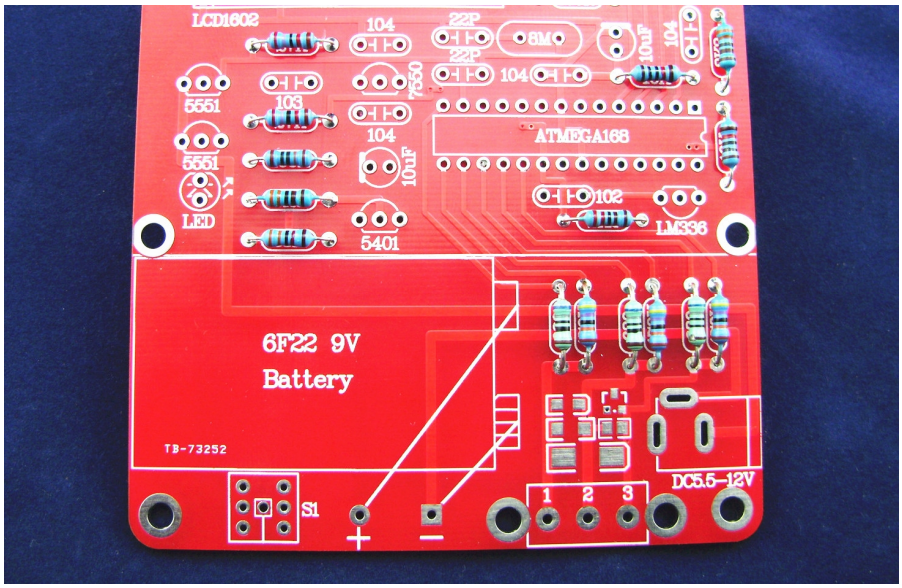
Thank you for purchasing our M8(M328) Transistor Tester Kit Tools. We believe our product will bring you an experience of convenience and accuracy.

Before your installation process, please carefully read this instruction, which will facilitate your installation in a more rapid and accurate way.

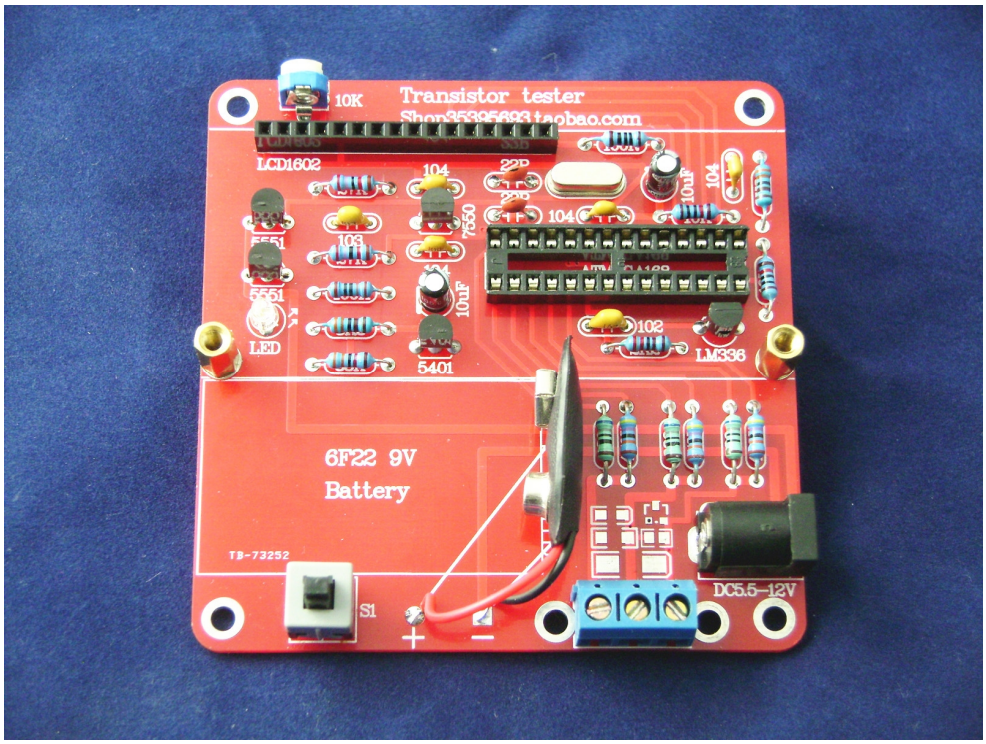
1. Installation:

The making of the casket should be finished according to the Casket Making Manual, if the casket installation is needed.

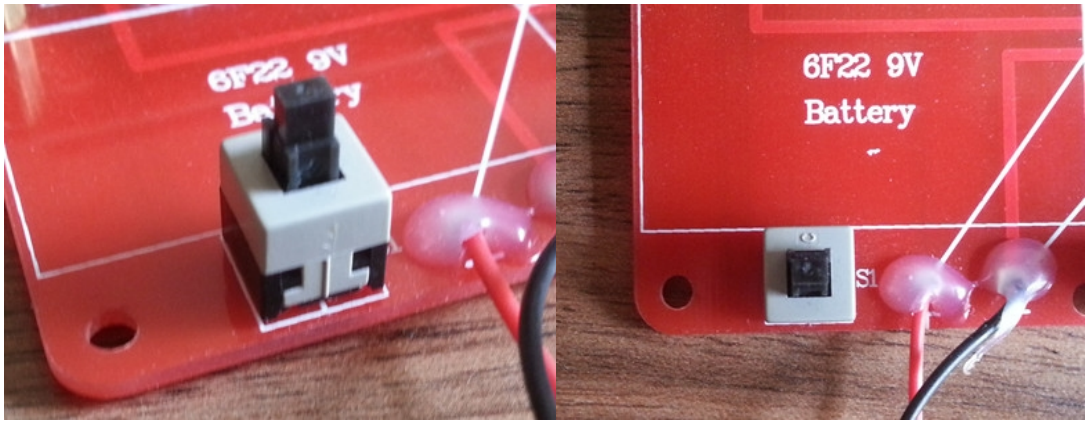
The first step is the Resistance Welding. If you are not familiar with the chromatic circle, please check the resistance with the multi-meter.



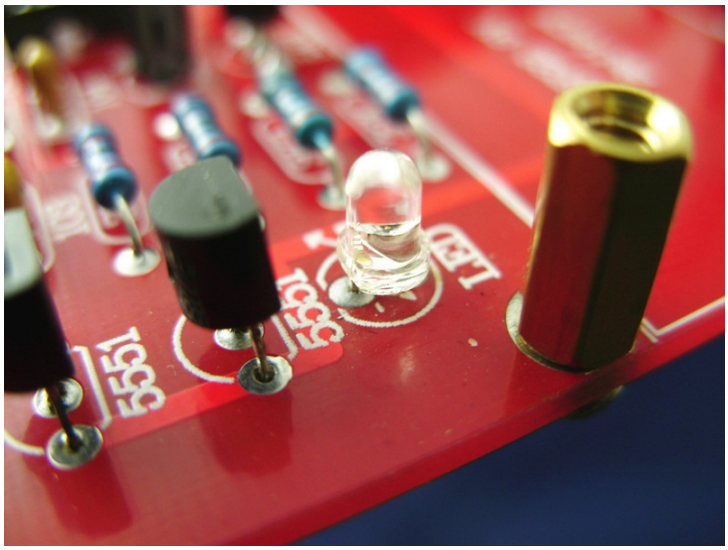
Next, weld the other electrical components based on , and please be aware of the size and direction of the three transistor, and the blue wiring terminal is optional:



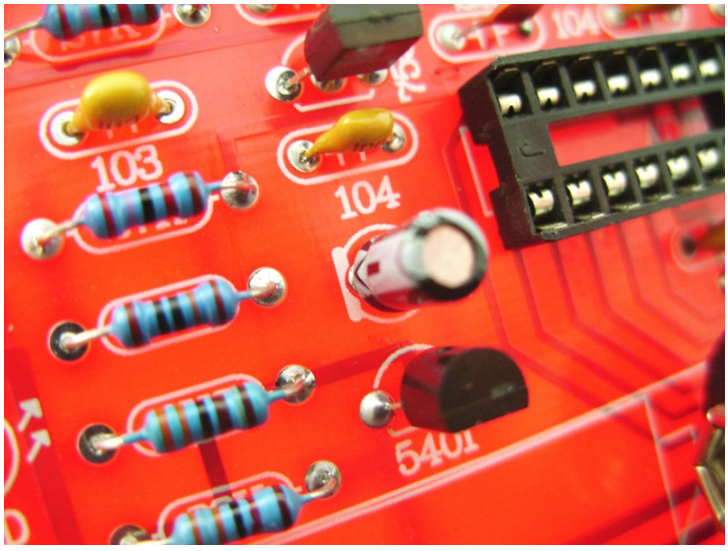
Please make sure that the direction to weld the push-button be not inversed. The normal-open point should be connected to the circuit, and the vertical line on the side of the push-button could be used as a reference:



The welding direction of the LED: There is an aligned side that is the same with the PCB sign. Please note that the welding time of the LED should not be kept too long in case that the LED could be damaged:

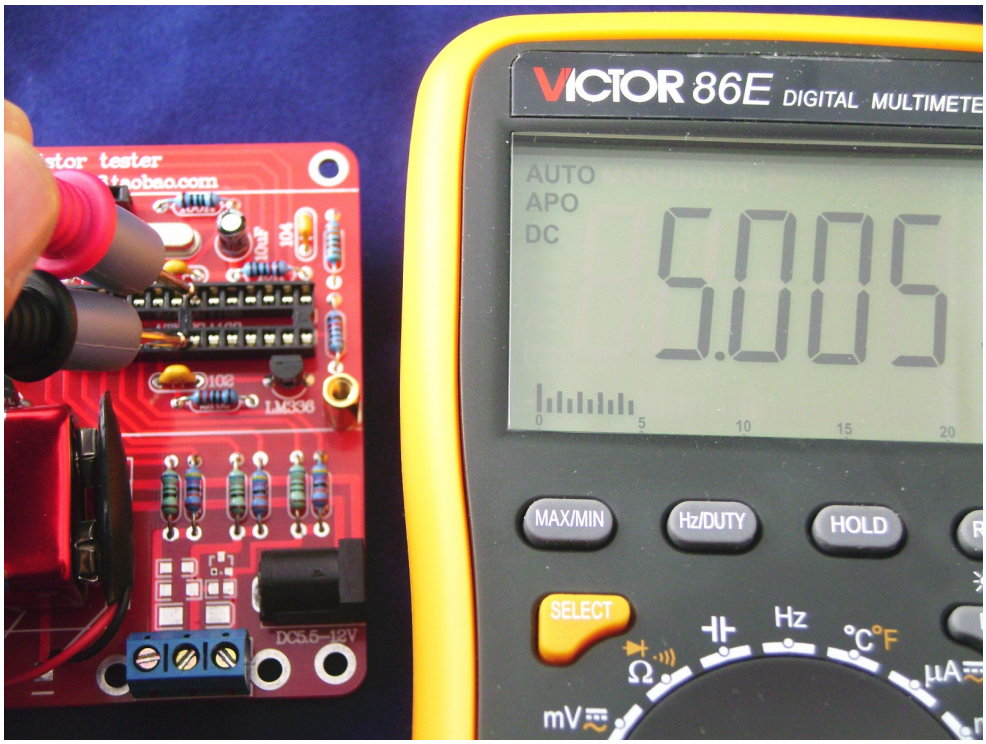


The electrode of the electrolytic capacitor should be aligned with the PCB side with a white line.

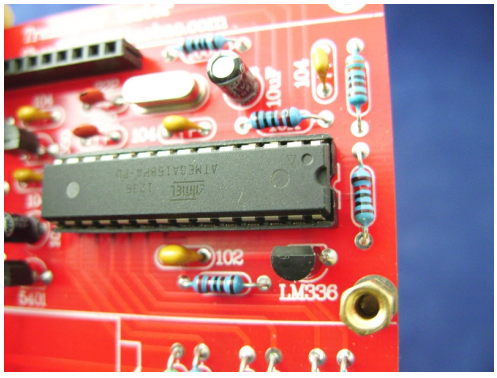


After all the welding jobs have been done, please connect the electric power instead of connecting M328 and LCD, and measuring the voltage of the pin7 and pin22 on the IC plug by using the multi-meter, and the voltage should be +5V(the button should be pushed when

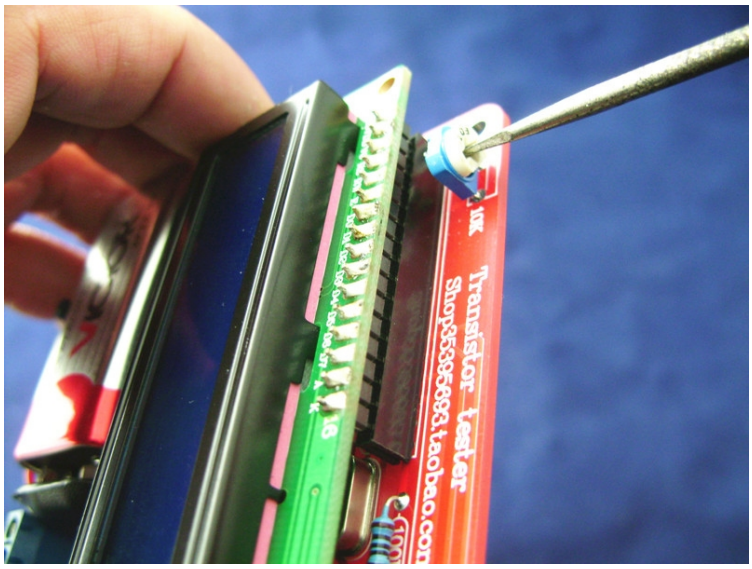
measuring), which means the circuit and power are working in normal condition.



Cut off the power, and connect M328 and the LCD which is welded with the insert pin. Be aware of the direction of IC.



After all the installation, connect the power (9V battery or external 5.5-12V DC power，outside-, inside+). Push the button, and maybe the screen will light without any character display. Don't be panic, right adjust the resistance to 10K and you will see the character.



Adjust the character to clear type, and congratulations, the gadget could be put in use!

2. How to Use:

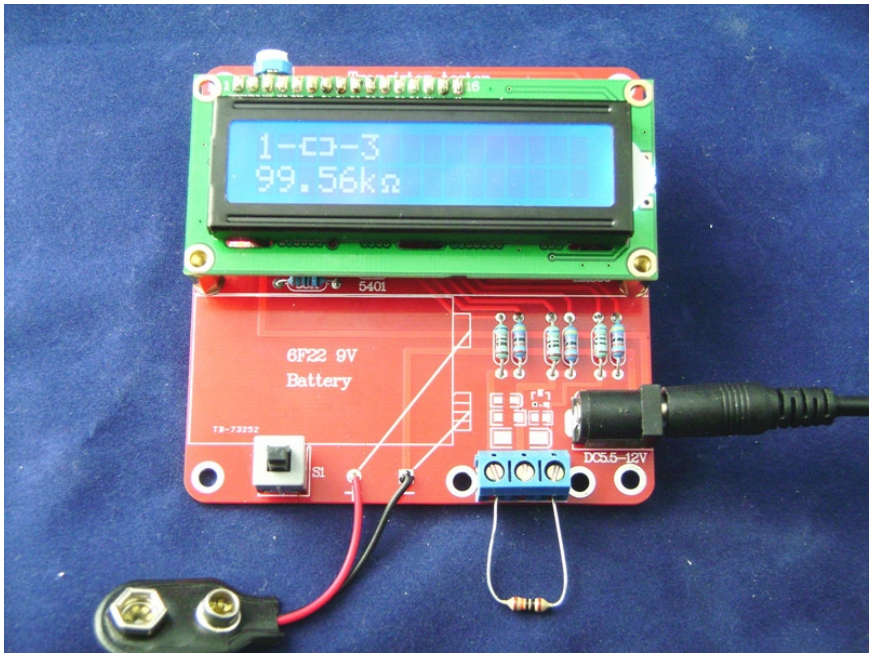
The gadget works in a simple way. Any two pin components could be arbitrarily connected to any two of three testing points, and the transistor could be arbitrarily connected to any three terminals. Push the button, the gadget will recognize automatically the component type, pin and parameter.

Components that could be measured include:

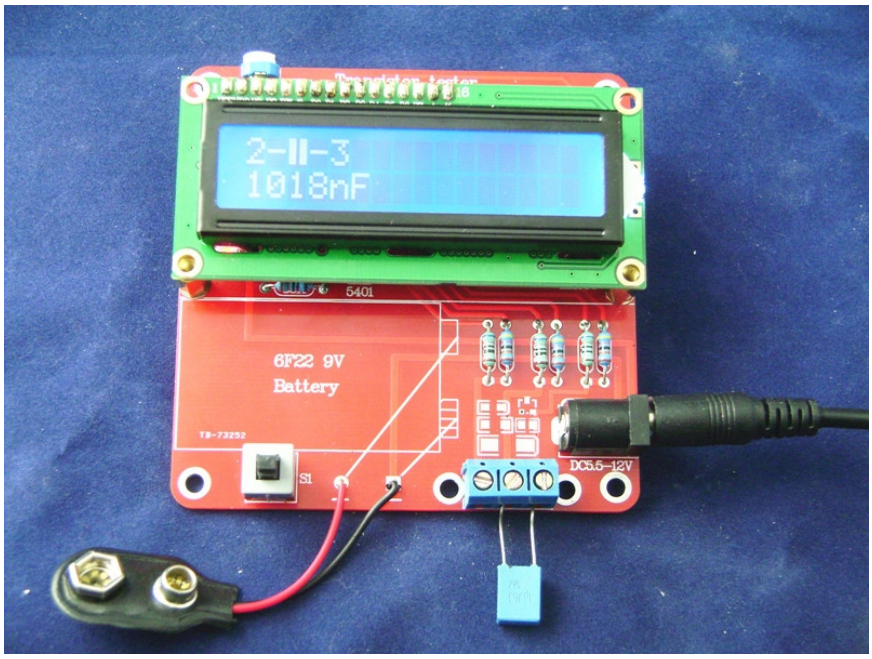
Resistance, capacitance, inductor, potentiometer, diode, LED, transistor, field-effect transistor, Thyristor, and so on.

Note: Please discharge the capacitance before its measurement. Otherwise the instrument will be damaged!

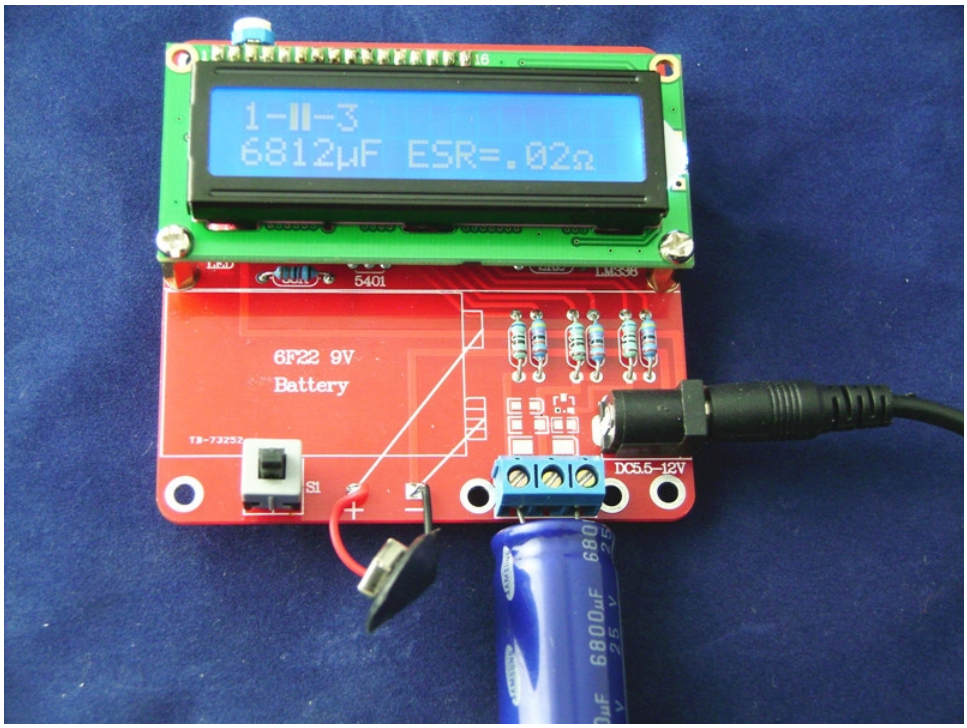
Resistance Measurement:



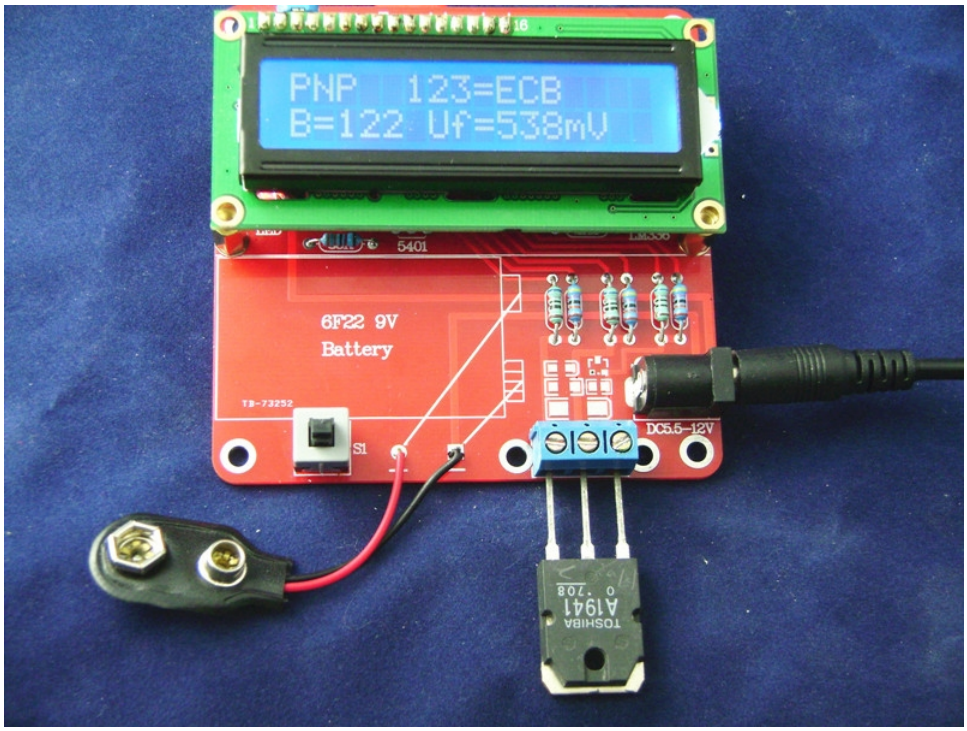
Non-Polarized Capacitance Measurement:



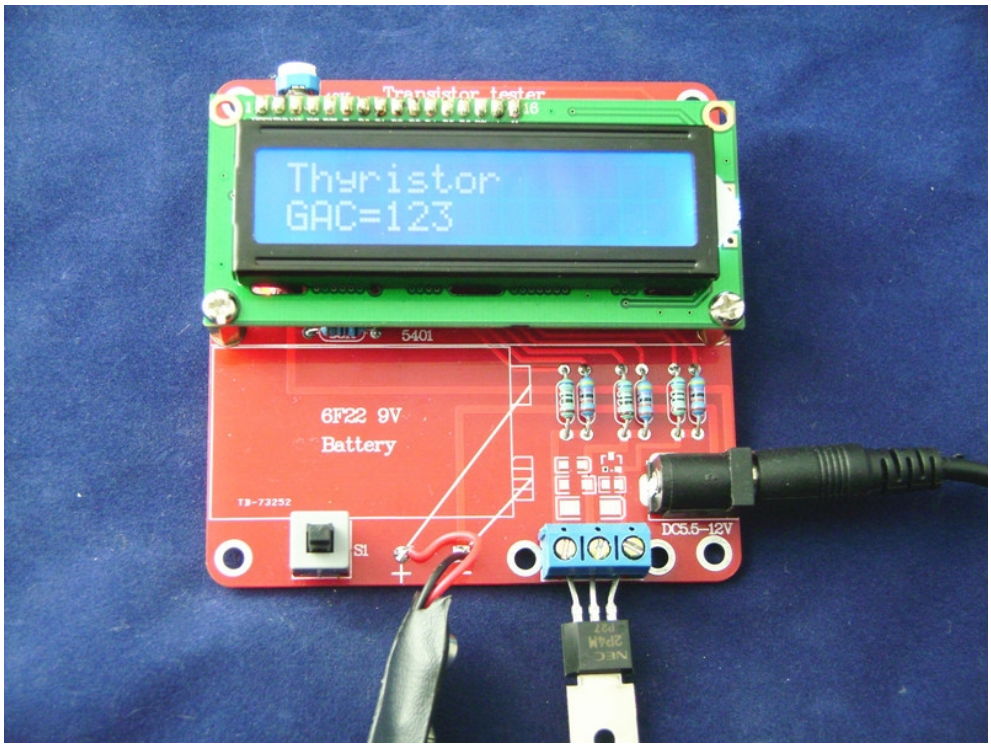
Electrolytic capacitor measurement. When the capacity value is greater than 2UF it will display ESR value. There is no need to distinguish the polar when connected.

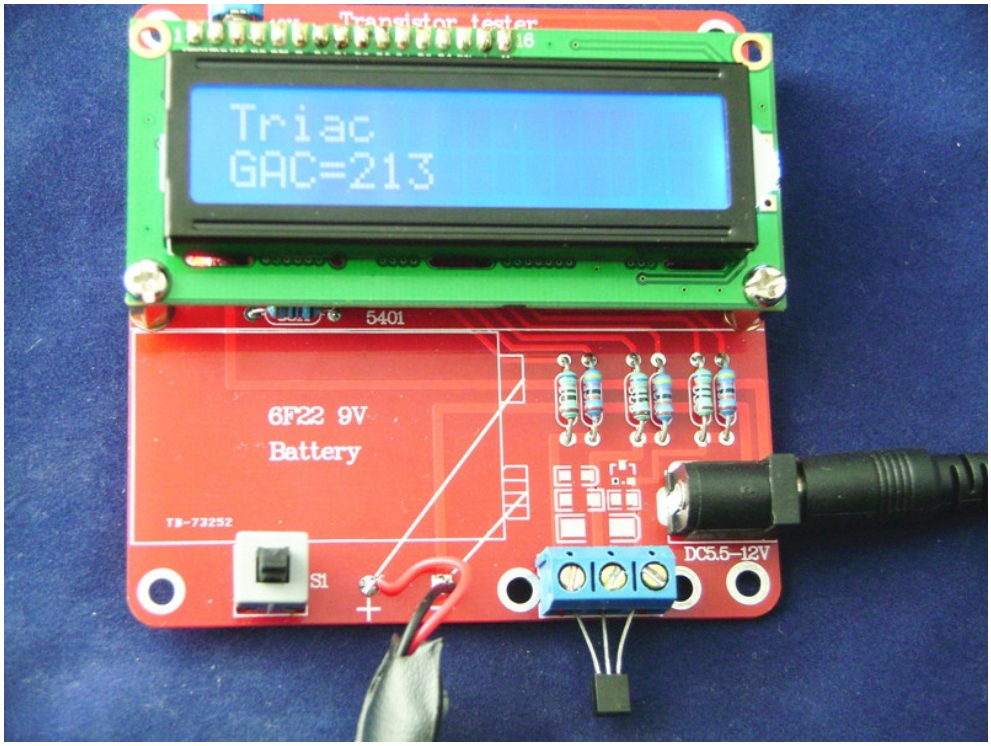


Transistor Measurement:



Thyristor Measurement:



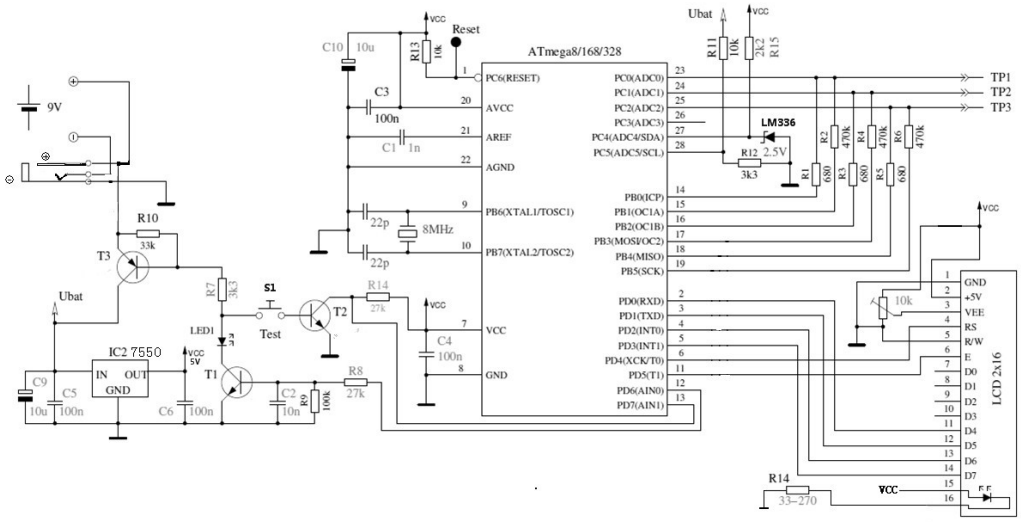


After the measurement the instrument will shut down automatically about 20 second, press the button again the gadget will continue the measuring process. You can also press to button when it is on to start a new measurement. Please check the reliability of the components

and the testing ends before the measurement.

Common installation failure:

1. **Display ”Time out” and cannot shuntdown automatically: S1 installation error**
2. **Cannot hold on:check the led.**



We are confident that this instrument will be of great help to you. Hope you will have delight in your DIY journey!