

Diode – Lab 1

With a multimeter it is possible to check the integrity of a diode. The "diode test" function allows you to measure the voltage drop across it.



By connecting the anode to the positive and the cathode to the negative, we will read the voltage drop value on the multimeter. By reversing the link, we will not read any values. For germanium diodes, the voltage drop varies from 0.2V to 0.4V, while for silicon diodes the voltage drop varies from 0.5V to 0.8V.

For example, for the 1N4007 diode, we have a voltage drop equal to 0.556V:



For the 1N4148 diode, we have a voltage drop equal to 0.589V:

