Watching your circuit simulate

Recording voltages with an oscilloscope

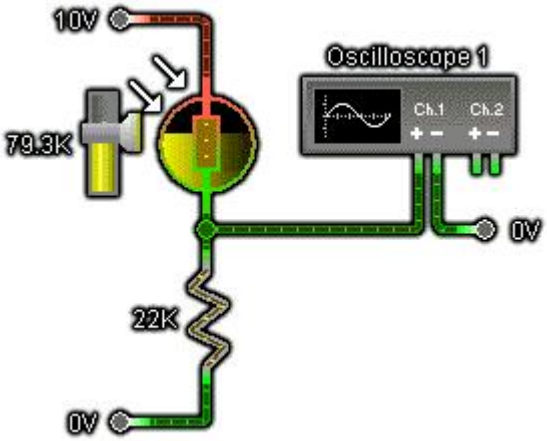
An oscilloscope records voltage levels over a period of time. You can add an oscilloscope by using the Gallery (it can be found in the **Measuring** group).

The oscilloscope has two channels, channel 1 (Ch.1) and channel 2 (Ch.2).

Each channel has a positive and a negative terminal. Add wires to these terminals.

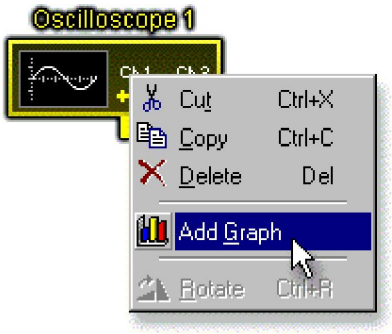
Normally, the positive side is wired to the signal being measured and the negative side to 0 volts. The voltage reading is calculated as the **potential difference** between the positive and negative terminals.

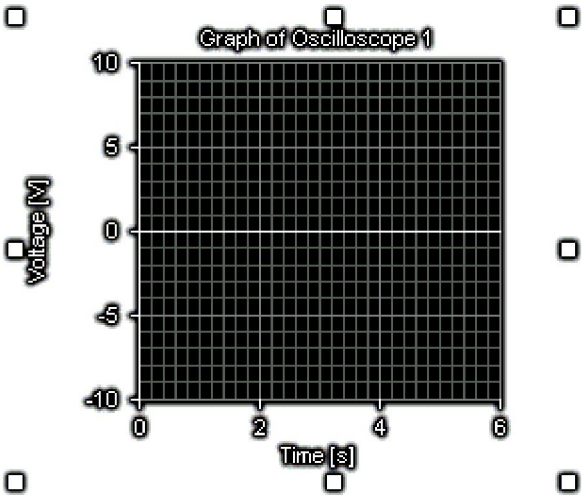
Once the oscilloscope instrument has been added, you then need to add a graph to display the output from the oscilloscope.



Click the right mouse button over the oscilloscope and choose **Add Graph** from the pop-up menu that appears.

Press and hold down the left mouse button. With the mouse button still held down, move the mouse to determine the size of the graph. Release the mouse button to place the graph.





For more information on using the graph, see Working with oscilloscope graph.