

How to use your homemade pressure sensor

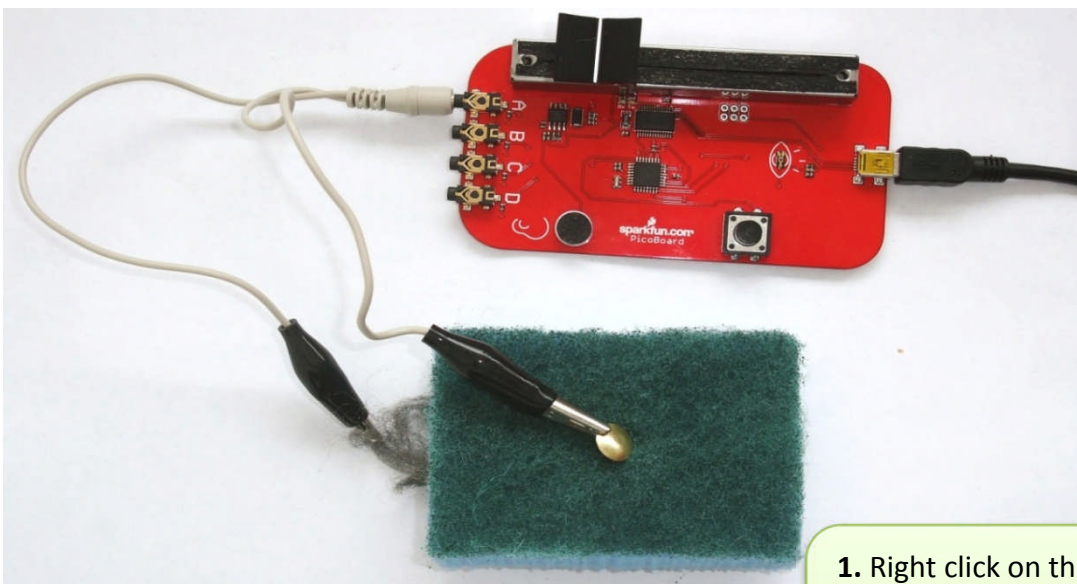
In order to use your sensor you'll need to plug it in.

Plug the Scratchboard into the computer.

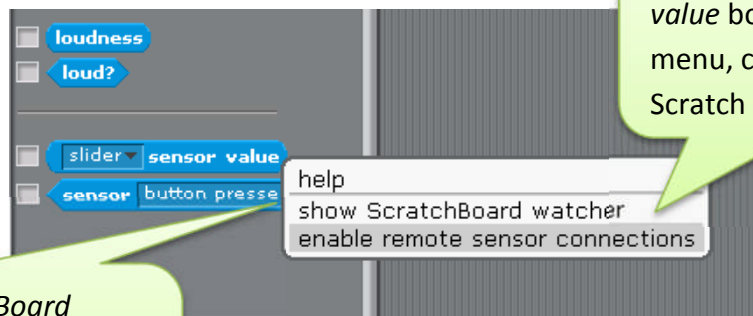
Plug the sensor into the plug labelled A on the Scratchboard using the crocodile clips.

Scratch sensors give readings from 0 to 100. Touching the crocodile clips together gives a reading of 0, as there is no resistance. Separating them so there is no electrical circuit gives a reading of 100.

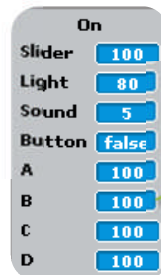
Remember, although Scratch sensors can give a reading from 0 to 100, it is likely that your homemade sensor will give readings with a smaller range.



1. Right click on the *sensor value* box to get to the menu, click to enable the Scratch Board

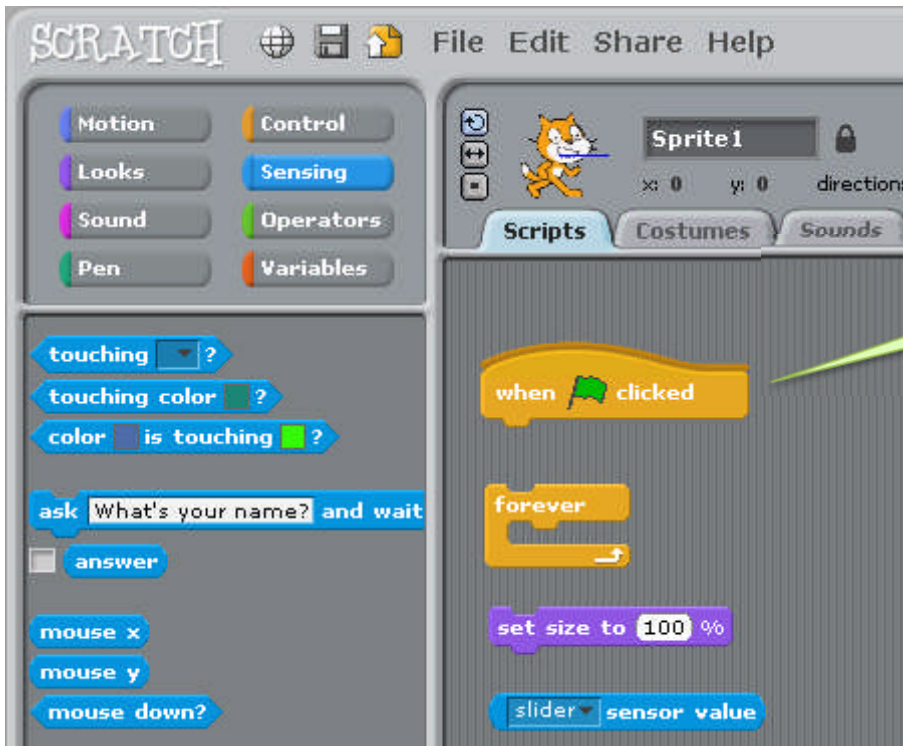


2. Click *show ScratchBoard watcher* to view the readings from all the sensors. It will allow you to check it's working.



3. This window will appear on the screen

Safety: Please note that you use these resources at your own risk. Correct use of some components requires care.

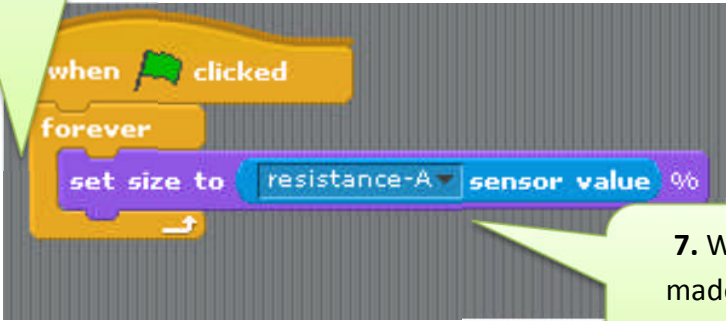


4. Find these blocks

5. Use the drop-down menu to change this block



6. This loop means it will keep sensing and taking readings from the sensor



7. When the connection is made the cat shrinks as the resistance becomes very low.

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What you should expect to see is something like this
(although your values may be different)

Sensor normal

A screenshot of a Scratch 'On' event menu. The menu items and their values are:

Item	Value
Slider	0
Light	83
Sound	0
Button	false
A	100
B	100
C	100
D	100

A large Scratch cat sprite is positioned to the right of the menu.

Sensor Pressed

A screenshot of a Scratch 'On' event menu. The menu items and their values are:

Item	Value
Slider	0
Light	84
Sound	0
Button	false
A	0
B	100
C	100
D	100

A small Scratch cat sprite is positioned to the right of the menu.

Now that you've managed to resize the sprite, this method can also be used to trigger other events.

Safety: Please note that you use these resources at your own risk. Correct use of some components requires care.