



How to make an Arduino oscilloscope probe

by [NeoRecasata](#) on April 9, 2013

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Intro: How to make an Arduino oscilloscope probe

This instructable will show you how to make an arduino oscilloscope probe for these links, a poorman's oscilloscope <http://www.instructables.com/id/Arduino-Oscilloscope-poor-mans-Oscilloscope/> and a multi channel oscilloscope for arduino <http://www.instructables.com/id/Arduino-Multi-Channel-Oscilloscope-Poor-Mans-O/>

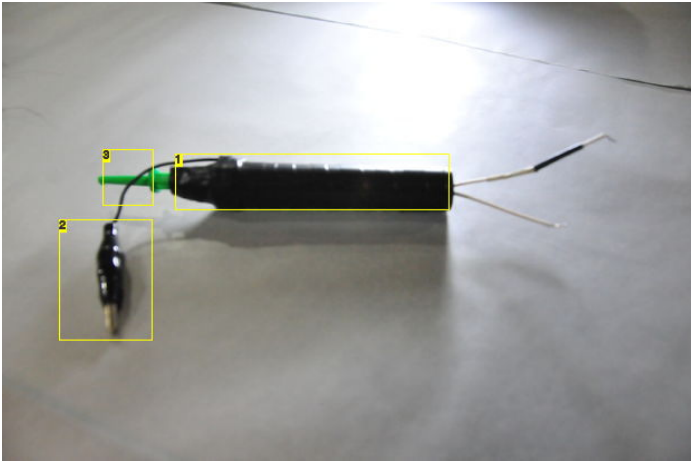


Image Notes

1. probe handle
2. ground clip
3. probe input

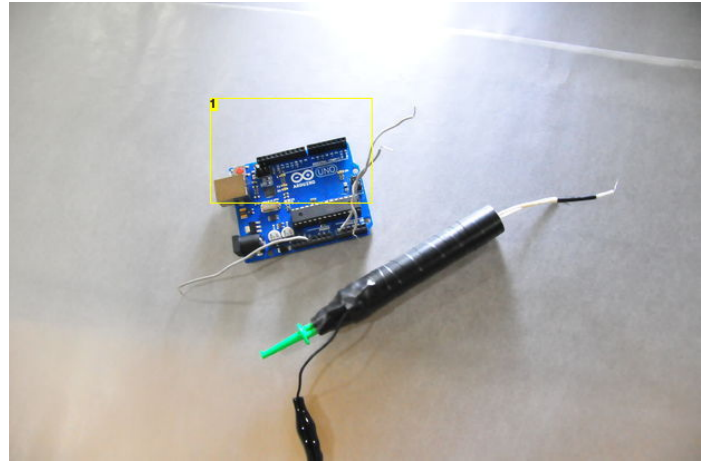


Image Notes

1. Arduino

Step 1: Materials and components

Tools

soldering iron
solder
hobby drill(if you don't have this use the soldering iron instead)

Materials and components

1x ez clip
1x soldering iron empty tube
1x 113K ohm resistor - R1
1x 10M ohm resistor - R2
1x 2-5 pf variable capacitor
bunch of wires
NOTE: all resistors are 1/2 or any watt

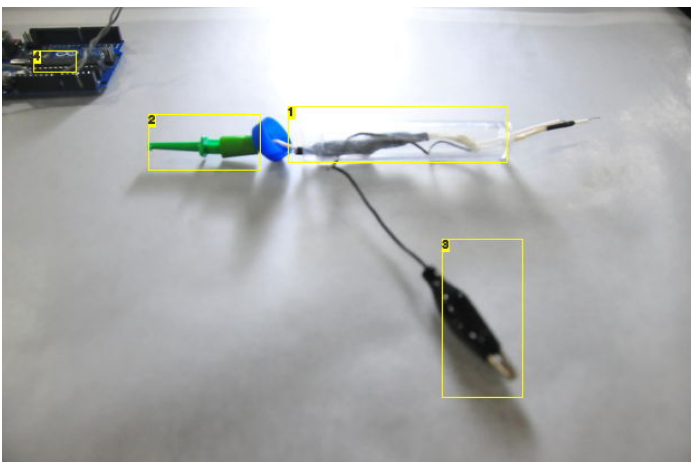


Image Notes

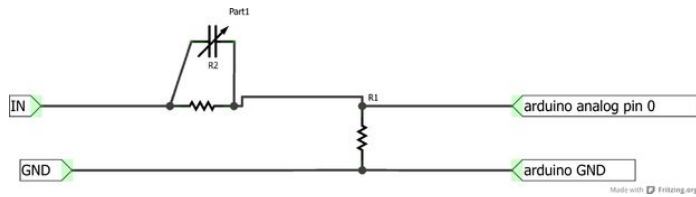
1. soldering iron tube
2. ez clips
3. gnd clip
4. lol Arduino

Step 2: Schematic

R1 113K ohm

R2 10M ohm

Part 1 2-5 pF variable capacitor



Step 3: Programming

Go to the sites to see the actual oscilloscope project <http://www.instructables.com/id/Arduino-Oscilloscope-poor-mans-Oscilloscope/>
<http://www.instructables.com/id/Arduino-Multi-Channel-Oscilloscope-Poor-Mans-O/>

Related Instructables



**Oscilloscope
How To** by
amandaghassaei



**Oscilloscope
Probes** by
gripen40k



**Low
speed AVR
oscilloscope
V2.00 (Is
updated on 19
Mar 2011)** by
serasidis



**Arduino -
Oscilloscope
(poor man's
Oscilloscope)**
(Photos) by
RuiSantos



**DS18B20 -
Temperature
probe with RJ45
connector** by rik



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