

Girino Fast Arduino Oscilloscope Using Arduino Power



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Girino Fast Arduino Oscilloscope Using

Girino - Fast Arduino Oscilloscope: I am a Physicist and the nicest part of working in this field is that I get to build my own instruments. With this way of thinking, I decided to build a homebrew Arduino Oscilloscope. This instructable was written with the purpose of teaching a bi...

Girino - Fast Arduino Oscilloscope: 26 Steps (with Pictures)

using lower lever functions that the standard ones makes the program run faster. The sketch for the Arduino is attached to this step, along with the schematic of the circuit that I made. The name that I came up with, Girino, is a frivolous pun in Italian.

Girino - Fast Arduino Oscilloscope using Arduino power ...

<p>Essentially, the Girino instructable is about how cleverly program the Arduino to achieve fast data processing. In that respect the supply list sums up to one single Arduino. Of course, another important part of an oscilloscope is the signal processing: offset, gain, impedance, protection... before safely injecting it into an arduino analog ...

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Girino - Fast Arduino Oscilloscope | Tech - Arduino ...

A simple graphical user interface for Girino, a Fast Arduino Oscilloscope running on Linux, Mac OS X and Windows. The screen capture below, as well as the others in the doc folder, displays the acquisition of a signal generated by various circuits including another DIY project: Skill Builder: Advanced Arduino Sound Synthesis. Usage

GitHub - Chatanga/Girinoscope: A simple Java graphical ...

I don't know if it will make a difference, but you might want to try to fix that "FAST_CWD pointer" issue first - it seems to be related to an out-of-date version of cygwin. HardwareSerial is the hardware serial library of the Arduino environment; have you been able to make a very simple sketch that opens the serial port then prints to it - to ...

Girino (arduino oscilloscope) code error

Please don't make absurd claims. It is impossible to build a "fast oscilloscope" using an Arduino, by any standards what you have here is an extremely slow oscilloscope. By your own calculations the sampling rate is about 77kHz at maximum. The software looks very limited and clunky.

Fast Arduino Oscilloscope : arduino - reddit

The best example I've seen of using very fast sampling rates is the Girino - Fast Arduino Oscilloscope. He managed to get 154 thousand samples a second on a Uno, using quite a lot of low level techniques.

What is the highest ADC sampling rate that can be achieved ...

Arduino code uses similar libraries to handle its sketches (which we might otherwise call programs), each designed to simplify the use of whatever hardware you're using - you're benefiting from the experience of early Windows users like me in the encapsulation of objects such as hardware shields with their assorted code.

How to build a easy/portable Oscilloscope using Arduino ...

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