

Re: What is the proper way of setting up an oscilloscope?

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- *From:* default <default@xxxxxxxxxxxxxx>
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On 29 Nov 2006 12:16:38 -0800, "MRW" <mr.whatever@xxxxxxxxxx> wrote:

Thanks all!

Chris wrote:

First off, it might have helped if you had mentioned how you're making your scope connection to the board you're measuring.

Well, to start, I have the scope and the DC power supply plugged in to the same surge protector. My circuit ground is the negative terminal of one of the DC supply outputs. I connected the ground pin of the oscilloscope probe to this negative terminal.

When I noticed the 60Hz signal, the scope probe was not connected to anything.

Thanks!

At the 20 mv sensitivity you might see some ripple on all but the best power supplies,

with the scope probe floating – it has a 10 megohm input impedance so you should expect to see what is in the air – 60 hz is all around. Put a 10 k resistor between the probe and the ground on the probe and it should quiet it out to a flat line.

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