Re: How to measure millivolt drop?

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- *From*: Jim Thompson <To−Email−Use−The−Envelope−Icon@xxxxxxxxxxxxxx>
- *Date*: Sun, 19 Aug 2007 15:25:40 −0700

On Sun, 19 Aug 2007 14:40:27 −0700, DAXU@xxxxxxxxxx wrote:

> Hello,
>
> I am doing a project and one of the requirement is to measure
> millivolt voltage signal, need 16−bit ADC. The actual input range is
> below 100milivolt. If I choose a ADC with input range to 4V,
> 1LSB=0.06mV. Shall I just measure the input without any voltage
> amplifier added in front of the ADC input pin?
>
> Another requirement is another analog measurement, whose input
> impedance is over 20MOhm. Can I just use a normal ADC chip connect to
> that input without any other circuit? Or I need a very low bias
> current OPamp to amplify the input signal, and have the voltage
> amplifier's output connected to the ADC input.
>
> Many thanks,
>
> Regards
> Jerry

Them thar homework problems are getting difficult ;−)

...Jim Thompson
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James E.Thompson, P.E.	mens
Analog Innovations, Inc.	et
Analog/Mixed−Signal ASIC's and Discrete Systems	manus
Phoenix, Arizona Voice:(480)460−2350	
E−mail Address at Website Fax:(480)460−2142	Brass Rat
http://www.analog−innovations.com	1962

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