

Multi Channel F-V converters?

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Hi All,

I'm looking to monitor a number(~10) of slowly varying low frequency outputs(100Hz-5KHz), I want to be able to sample & report the frequency on each channel once every 100mS. The micro processor I'm using has a number of ADC channels so I was hoping to use these to monitor the output of a Frequency to Voltage converter for each channel. The required range is 0-5V on the output of the converter.

I don't think I can use the micro to time the inputs directly because I may not have the overhead available to do this every 100mS for every channel.

Does anybody have any ideas on the easiest way to achieve this?

I had a look at the usual Semiconductor manufacturers and can't seem to find a multi channel IC to do this, does anyone know of any?

Also what is the best method for pretty precise measurement of these frequencies? If you think I'm approaching this from the worst possible way let me know this also,

Thanks

PFITZ

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