

Re: V/F converter: Lm331

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- *From:* bill.sloman@xxxxxxxx
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Supreme Lord of All Assholes, Ha! wrote:

Hi, I'm trying to work out a very simple linear voltage-controller oscillator, ranging from a few Hz to circa a thousand Hz (audio range) and working with 0-5V input tensions, and after some advice I set my aim on the LM331, which is said to be a good voltage-to-frequency converter.

Anyway, I can't get much out of it.

The big problem is that the datasheet provides lots of nice application notes, ranging from coffee machines to DIY Space Shuttles, but does not explain me how to actually embed the 331 in my circuit.

Especially, I can't understand well enough how the external components have to be sized and placed and how to calculate the output frequency in relation to the input voltage.

Has anybody got some experience with this toy?

No. But have a look at the Burr-Brown - now Texas Instruments - VFC121

<http://focus.ti.com/lit/ds/sbvs023/sbvs023.pdf>

I haven't used that either, but between the two data sheets you might get a better idea of what is going on.

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