

Re: mass liquid flow meter?

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- *From:* Tim Wescott <tim@xxxxxxxxxxxxxxxxxxx>
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On Tue, 18 Sep 2007 12:50:25 +1000, Phil Allison wrote:

<acannell@xxxxxxx>

Anyone know of a circuit to measure flow using two thermistors? I.e. it determines how much flow there is by measuring how much power it takes to maintain one of the thermistors at a certain temperature?

Why do you need two thermistors anyway? Cant you just figure out how much power it takes to keep one thermistor at a certain temperature?

** The second thermistor might be needed to determine the temp of the liquid, so that can be eliminated from the computation of flow rate.

Yup. I've been thinking of building one of these -- they're used in sailplanes (both model and full size) to measure the flow of air into a bottle as a hyper-sensitive rate of climb indicator. Apparently you put them in a bridge configuration and the merest whisp of air flowing by will unbalance the bridge enough for a useful reading.

Dunno any more, though -- I'm going by memory of an article I read 30 years back.

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