

Re: Conductivity sensors

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-09/msg04173.html>

- *From:* "mooseo" <mooseo@xxxxxxxxxx>
 - *Date:* 19 Sep 2006 17:12:58 -0700
-

Maybe I'll try running it off a battery to see if that helps.

Yes, that should help.

I've just tried running the circuit off batteries... both 1 battery for the whole thing, or separate batteries for the multiplexer and the probe, with the grounds connected, but the circuit behaves exactly the same. Individually, each probe registers being submerged by increasing the voltage drop across the resistor, but when 2 are submerged in the same liquid, both have the same drop as if they were not submerged at all.

any other thoughts? I can try getting some inductors, although it really doesn't look much like a noise response... more like the two circuits are inhibiting each other.

thanks,
mike

.