

Integrated electrofluidic circuits: pressure sensing with analog and digital operation functionalities for microfluidics

Chueh-Yu Wu, Jau-Ching Lu, Man-Chi Liu, and Yi-Chung Tung*

Research Center for Applied Sciences, Academia Sinica, Taipei 11529, Taiwan. Fax: +886 2 2782 6680; Tel: +886 2 2789 8000;
E-mail: tungy@gate.sinica.edu.tw

Supporting Information

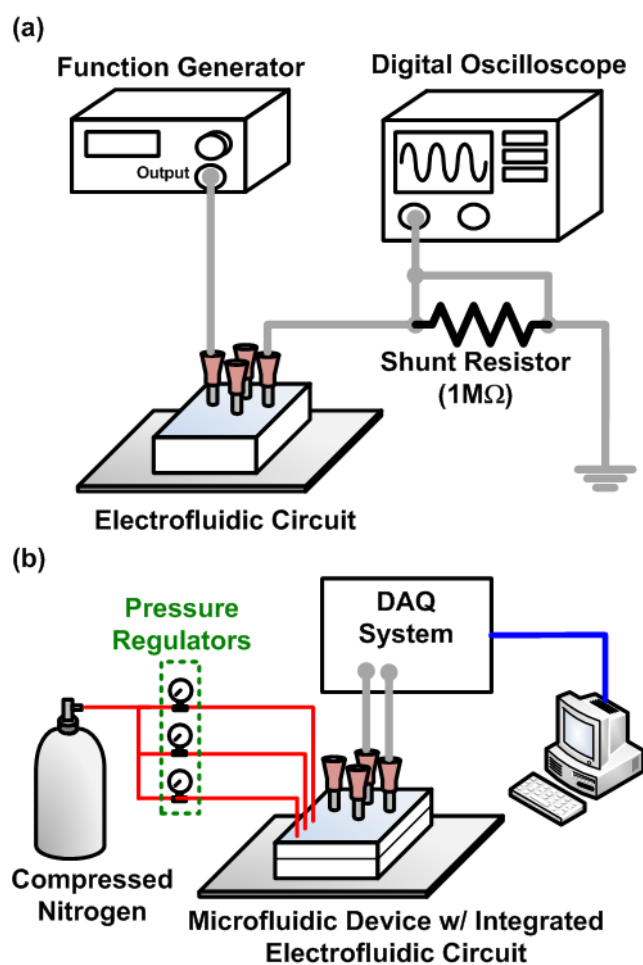


Fig. S1 Illustration of experimental setups for (a) impedance spectrum characterization of an electrofluidic circuit, and (b) evaluation of electrofluidic circuits capable of conducting analog and digital operations of the applied pressures.

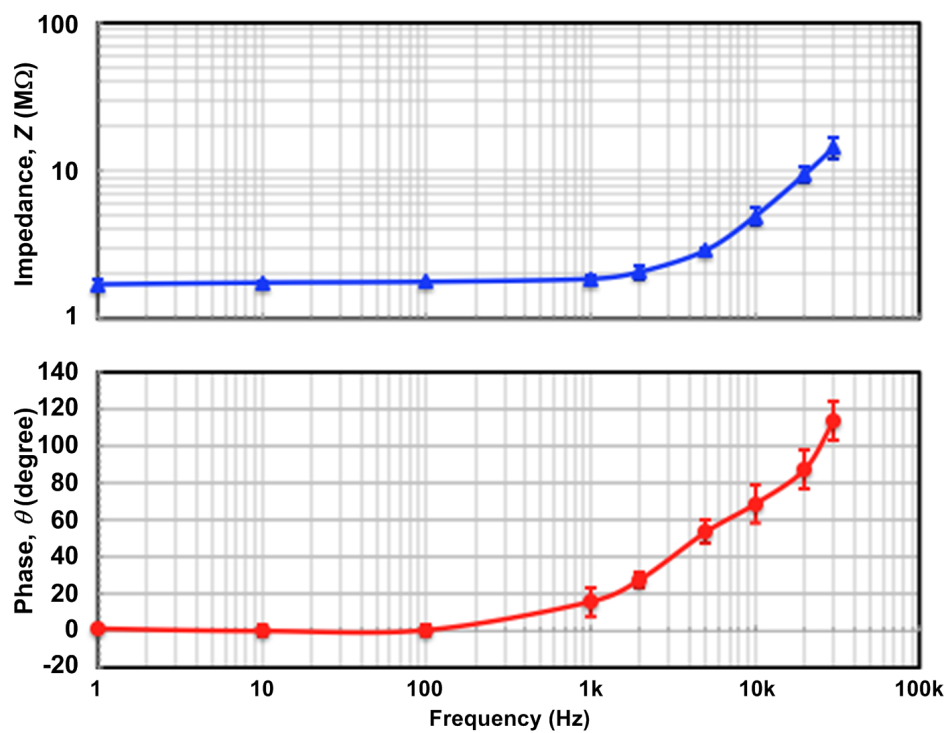


Fig. S2 Impedance spectrum of electrofluidic Wheatstone bridge used for analog operations.