

Supplementary information

Ultra-Flexible and Large-Area Textile-Based Triboelectric Nanogenerators with a Sandpaper-Induced Surface Microstructure

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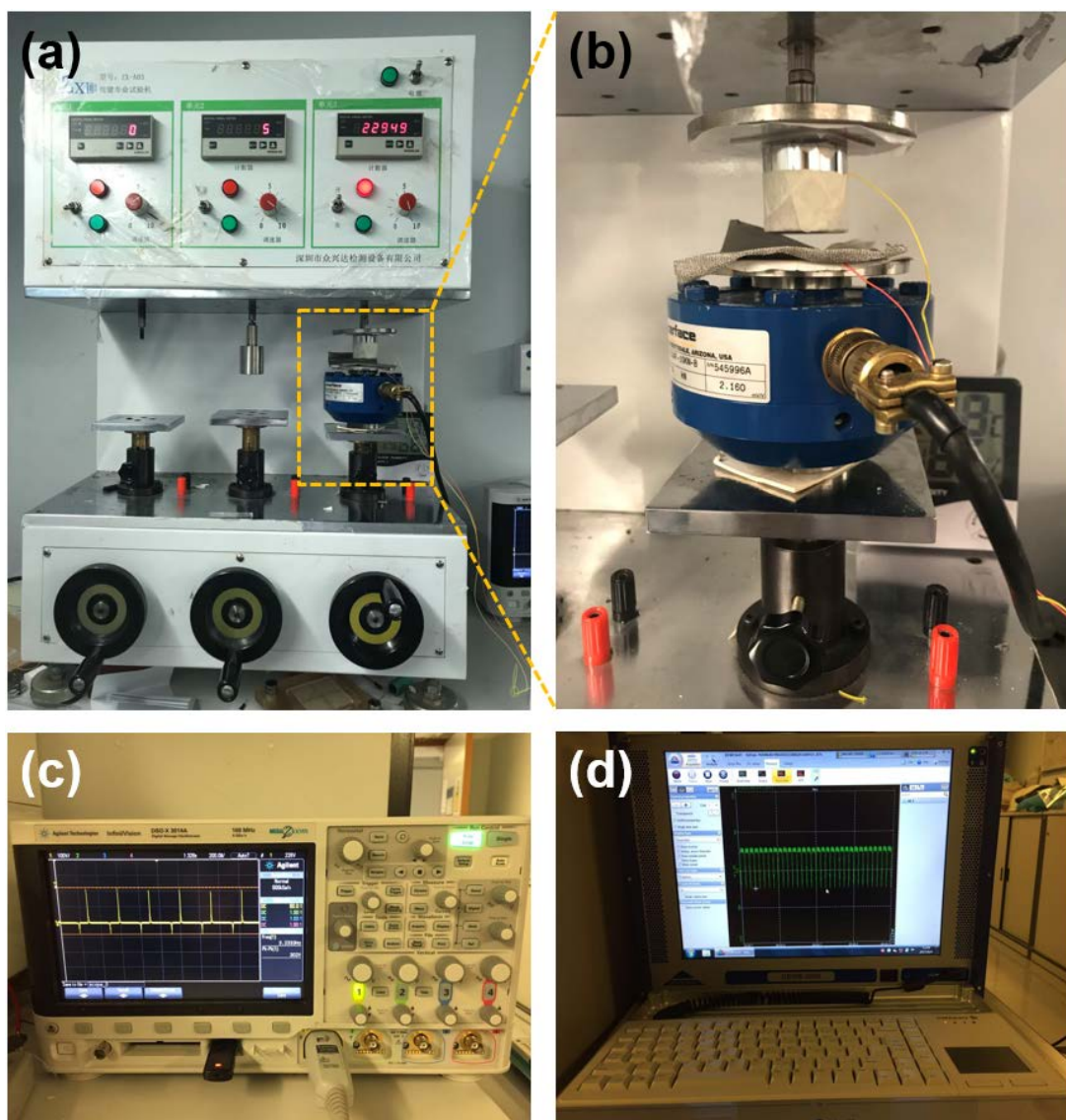


Figure S1. Experimental setup. (a) Keyboard life tester (ZXA-03). (b) Magnified image of cyclic compression element and T-TENG. (c) Keisight DSO-X3014A oscilloscope and N2790A high voltage probe with 8 MΩ internal resistance. (d) Load supervisor system (Dewe-2600 DAQ system).

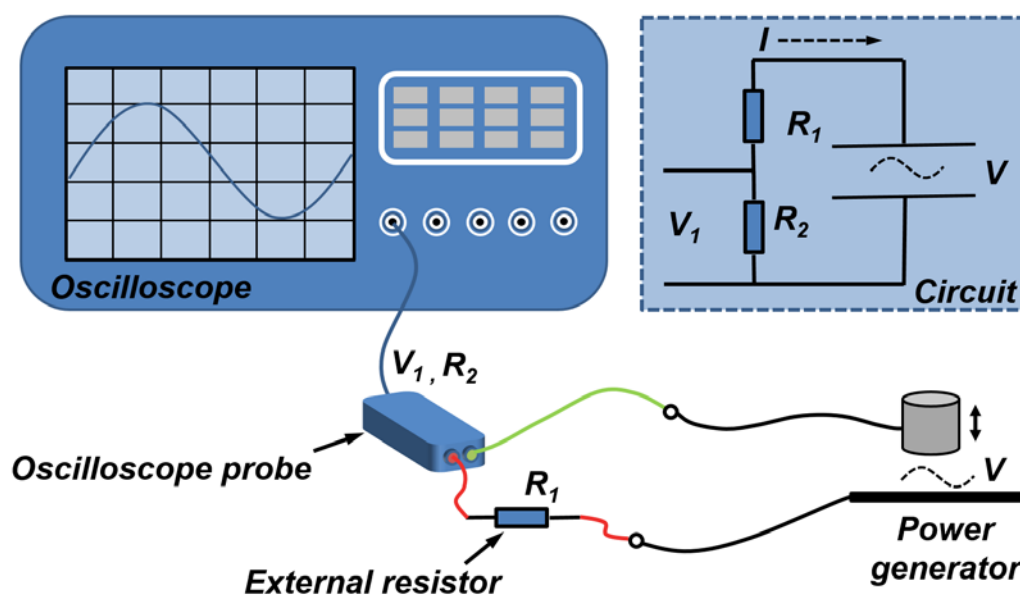


Figure S2. Schematic illustration of measurement circuit. Note: the output voltage is not entirely the case of open-circuit or short-circuit, owing to the existence of an $8\text{ M}\Omega$ (R_2) built-in resistor.

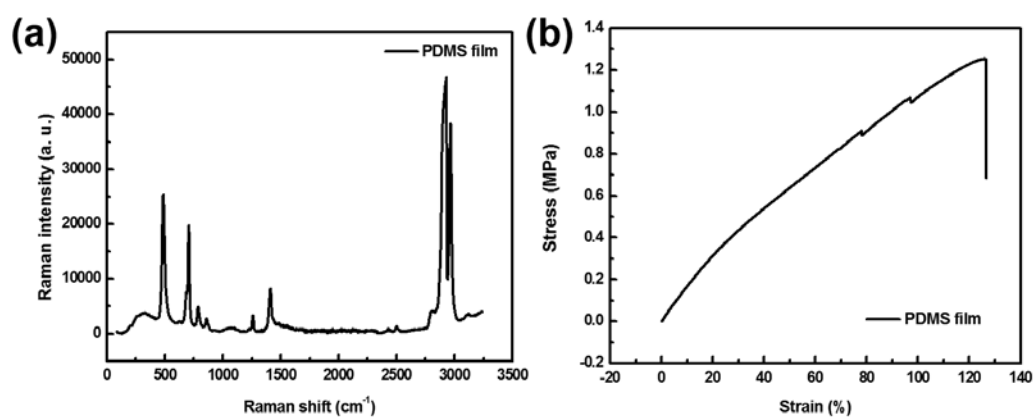


Figure S3. (a) Raman spectrum of PDMS film. (b) Stress vs. strain curve.