

Development of highly sensitive temperature microsensors for localized measurements

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Supplementary Information

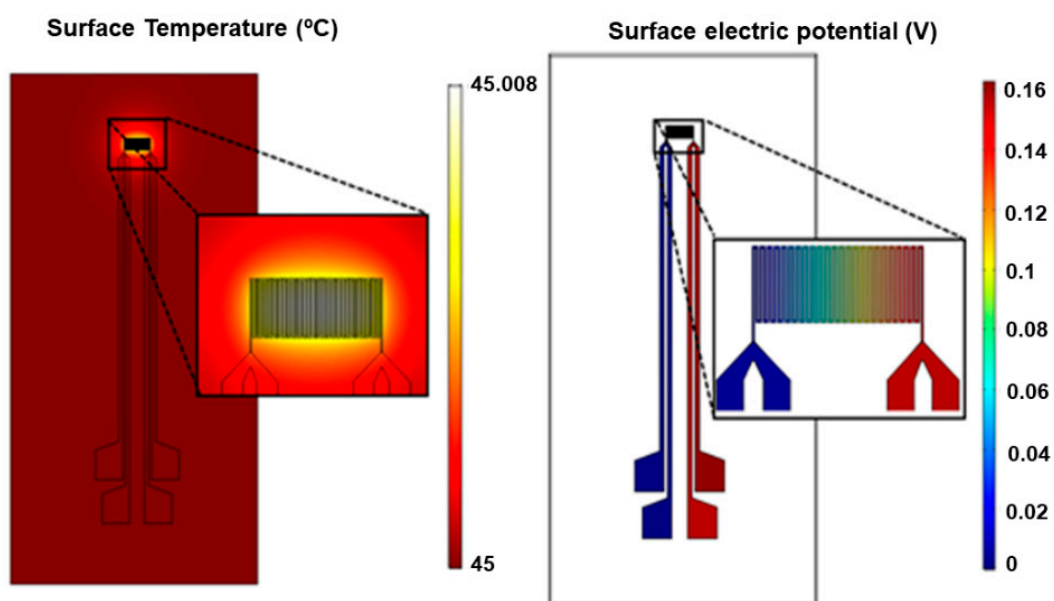


Figure S1. Simulated temperature and electric potential distribution for a sensor with 24 windings, with an excitation current of 100 μ A and temperature of 45 $^{\circ}$ C.

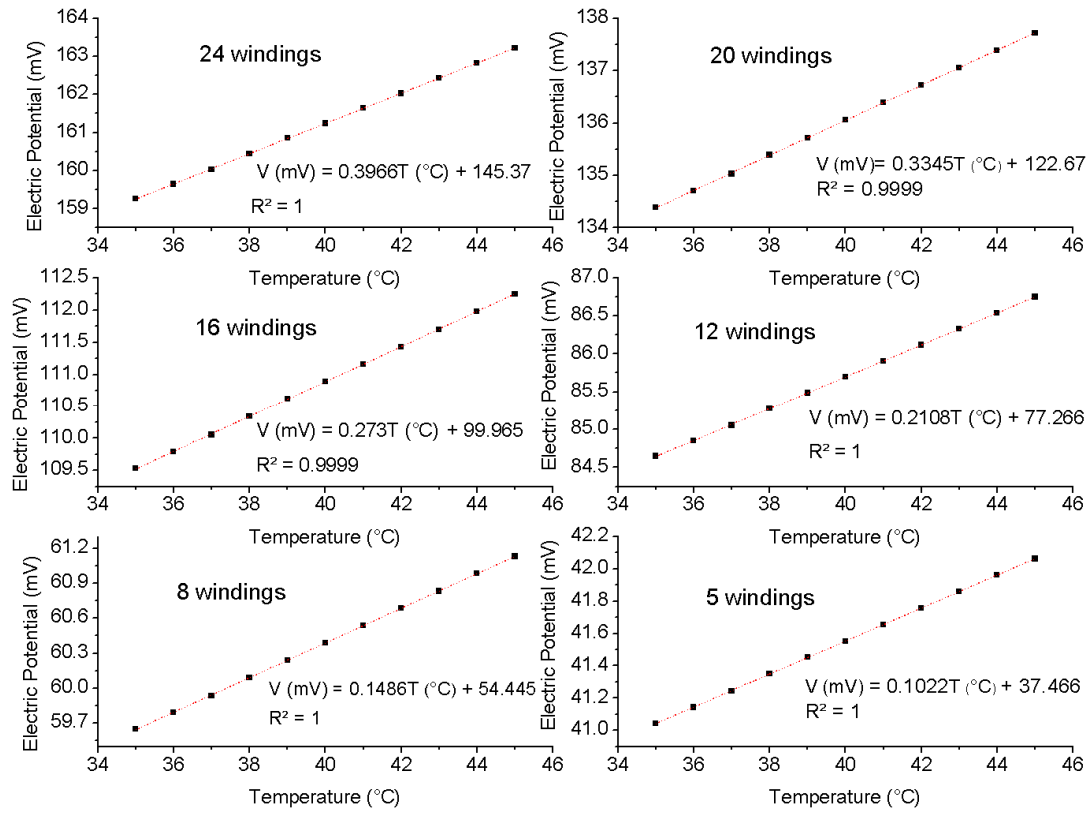


Figure S2. Simulated temperature and electric potential distribution for a sensor with 24 windings, with an excitation current of 100 μA and temperature of 45 $^{\circ}\text{C}$.

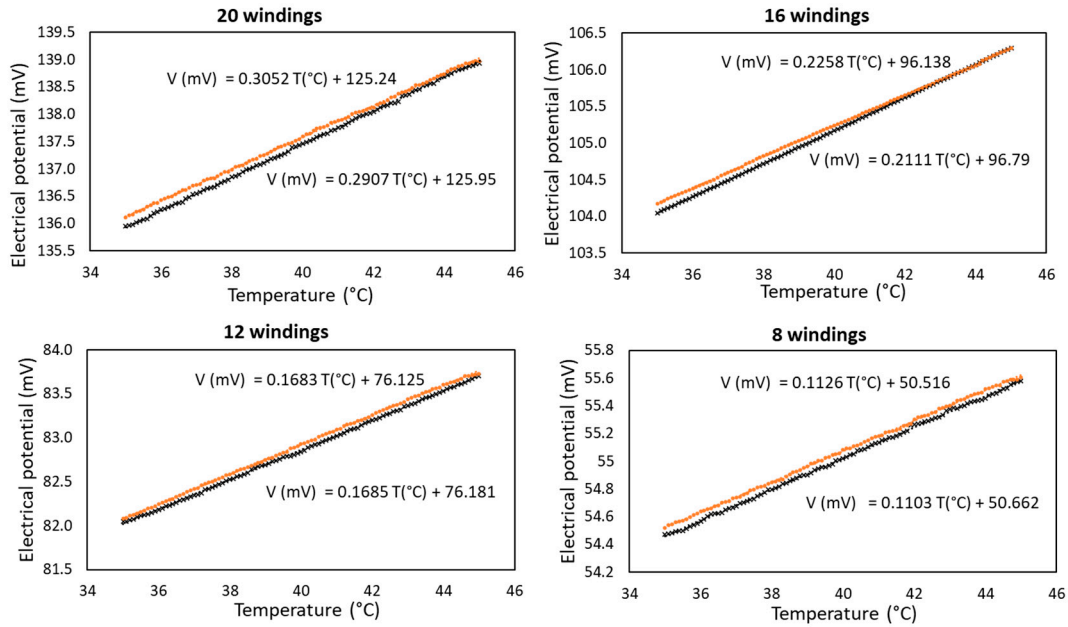


Figure S3. Experimental sensitivity of the sensors for the different fabricated RTDs according to the winding number. Orange line represents an increase temperature from 35 to 45 $^{\circ}\text{C}$, and black line a decrease temperature from 45 to 35 $^{\circ}\text{C}$.