## Room Temperature Ethanol Sensing Properties of ZnO Nanorods Prepared using Electrospun Technique

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## <u>Fig. S1</u>



Fig. S1. Detection of  $CO_2$  in the sensing chamber (1000 ppm of ethanol vapor mixed atmosphere) with and without ZnO sensing element using  $CO_2$  detector tube.

To confirm the chemical interaction of ethanol on the ZnO surface we have used  $CO_2$  detector in the sensing chamber.  $CO_2$  detector tube (2LC) was purchased from GASTEC, Japan and the measuring range is 100 – 2000 ppm at room temperature. Before conducting the sampling procedures, tip of the detector tube was broken using the sampling pump and kept inside the sensing chamber. Sampling of the atmosphere in the sensing chamber with and without sensing element was done after 1 min of injecting 1000 ppm of ethanol vapor. Fig. 1 shows the change in color from pale red to pale orange and the reading indicated the ppm concentration in the sampling atmosphere. The reading showed 1200 and 100 ppm towards the 1000 ppm ethanol vapor atmosphere with and without ZnO sensing element.