for providing heating current sensitive components. The enveloped MQ-3 have 6 pin ,4 of them are used to fetch signals, and other 2 are used micro AL2O3 ceramic tube, Tin Dioxide (SnO2) sensitive layer, measuring electrode and heater are fixed into a Structure and configuration of MQ-3 gas sensor is shown as Fig. 1 (Configuration A or B), sensor composed by made by plastic and stainless steel net. The heater provides necessary work conditions for work of

 E. Sensitivity characteristic curve Electric parameter measurement circuit is shown as Fig.2

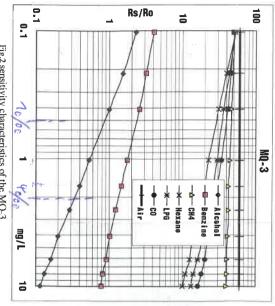
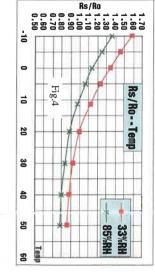


Fig.2 sensitivity characteristics of the MQ-3



the MQ-3 for several gases. sensitivity characteristics of Fig.3 is shows the typical O2 concentration 21% Humidity: 65% in their: Temp: 20°C

Rs:sensor resistance at various Ro: sensor resistance at 0.4mg/L of concentrations of gases. Alcohol in the clean air. RL=200k Ω

temperature and humidity. Ro: sensor resistance at 0.4mg/L of dependence of the MQ-3 on Fig.4 is shows the typical Alcohol in air at 33%RH and 20

Rs: sensor resistance at 0.4mg/L of

Alcohol at different temperatures

and humidities

SENSITVITY ADJUSTMENT

0.4mg/L this components, sensitivity adjustment is very necessary. we recommend that you calibrate the detector for 200 KΩ (100KΩ to 470 KΩ). Resistance value of MQ-3 is difference to various kinds and various concentration gases. So, When using (approximately 200ppm) of Alcohol concentration in air and use value of Load resistancethat (Ri) about

considering the temperature and humidity influence When accurately measuring, the proper alarm point for the gas detector should be determined after