

Q4

My choice of power supply are Batteries.

I prefer using a 9V general purpose battery.

Even the user specification was Battery powered. This is because the Gas sensor detector is generally fixed on the roof and many other places in the office/house where a switchboard may not be there. So making battery powered is best idea.

ATMEGA and the MQ-7 Gas sensor needs 5V regular supply. So, I am using a LM7805 voltage regulator which takes any input voltage from 8-12V and supplies constant 5V for the sensor and microcontroller.

