basicly the project is the monitor and control co2 in the grow room with a co2 sensor es the link below and a celenoid gas valve 24v to control the relise flow of the gas .

[**https://www.dfrobot.com/product-1549.html**](https://www.dfrobot.com/product-1549.html)

[https://www.dfrobot.com/blog-**991**.html](https://www.dfrobot.com/blog-991.html)

this project will need a led screen to see actual level of co2 in the room in real time as well a iot blink conection and a panel set up for controling the values of co2 nesesery es well will need a internal timer in the code part becouse sistem will work only 12 hour in a day only when light grow are on .

thanks for the fast replay ! 1. about display some this simple just to shop ppm up to 5000 so i think like the one in the link below will be great [**https://www.sparkfun.com/products/709**](https://www.sparkfun.com/products/709)

.about the blynk yes you are corect i need a place i can predefine the values 3.about the internal clock yes we need a clock but i think arduino have one internaly that you can activet in the code but you know better .... the clock is becouse the system work only 12 from 24 hours in a day and i will need in the future to predifine the values of co2 by date so es the plant grow co2 level grow es well automaticly .... 4.about time line es alll ways i prefer things fast but its up to you please tell me your best time and i will ajust my self ! about price is the same if you can tell me what will make you happy .... after this i have another project of monitoring the whole room with difrent sensors like presure and humidity and light .

ok about internal clock we use modile rtc ! yes time range fix in the code or be adjusted in the panel about gas value in cannabis grow we are adding gas to the grow so value need to go up to the threshld marker . i will give en example ... in the aire in normal time there is 350ppm (particals per milimeter ) of co2 and cannabis plant like to have it between 1000 ppm to 1800ppm depend in the plant size . so the idea is to set up for the first day of the program 1000ppm and that the value go automaticly every day be himself up to 40 days and stay on the 1800ppm level for the rest of the preset time of the program . we have a co2 tank that relise co2 to the room controls by celenoid valve 24v . the relise time should be no more than 30 sec at the time and loop time is every 60 sec reading .