SENSOR DATA INFORMATION

Sr. no.	Sensor Name	Address	Model no.	Fields	Units	Range
1	Luminous Sensor	0x29	TSL2561	Visible	Raw data	
				Infrared	Raw data	
				Illuminance	LUX	0-65535
2	Barometric Pressure & Altitude Sensor	0x77	BMP180	Temperature	degree Celcius	
				Pressure	mbar	
				Pressure	mmHg	
				Altitude	m	
3	Air Quality Sensor	0x5B	CCS811	CO2	ppm	400-8192ppm
				TVOC	ppb	0-1187ppb
4	Particle Sensor	0x57	MAX30105	Heart rate	BPM(Bits Per Minute)	
				Average Heart Rate	BPM(Bits Per Minute)	
				Oxygenated blood(Saturated)	Percentage	
				Presence Detection	1/0	
5	Magnetometer	0x1E	HMC5883L	X	mgauss	
				Y	mgauss	
				Z	mgauss	
6	RGB and Gesture Sensor	0x39	APDS9960	Ambient Light	Raw data	
				Red	Raw data	
				Green	Raw data	
				Blue	Raw data	
				Gesture	Up,Down,Left,Right,Far,Near,None	
7	MPU6050	0x68	MPU6050	Gx(pitch)	degree	
				Gy(roll)	degree	
				Gz(Yaw)	degree	
				Ax	m^2/s	
				Ay	m^2/s	
				Az	m^2/s	
8	Real Time Clock(RTC)	0x50	DS1307	Date	mm/dd/yyyy	
				Time	24-hr format	
				Day	Sunday, Monday, ...	
9	Temperature and Humidity Sensor	0x40	SI7021	Temperature	Degree Celcius	
				Temperature	Degree Fahrenheit	
				Humidity(RH)	Percentage	

		addresstonum[41] = 0;	//Luminous Sensor - TSL2561	
		addresstonum[119] = 1;	//Pressure Sensor - BMP180	
		addresstonum[91] = 2;	//Air Quality Sensor - CCS811	
		addresstonum[30] = 3;	//Magnetometer - HMC5883L	
		addresstonum[57] = 4;	//Gesture Sensor - APDS9960	
		addresstonum[80] = 5;	//Real Time Clock(RTC) - DS1307	
		addresstonum[64] = 6;	//Temperature and Humidity Sensor - Si7021	
		addresstonum[105] = 7;	//Accelerometer and Gyroscope - MPU6050	
	1	Visible		
	2	Infrared		
	3	Illuminance		
	4	Temperature(BMP180)		
	5	Pressure(BMP180)		
	6	Pressure(BMP180)		
	7	Altitude(BMP180)		
	8	CO2(CCS811)		
	9	TVOC(CCS811)		
	10	Heart rate(Partica)		
	11	Average Heart Rate		
	12	Oxygenated blood(Saturated)		