

	Total product				
Item	V (V)	I peak (mA)	P (W)	Time (h)	Consumption (mAh)
Temp1	5	100	0.5	0.1	10
Temp2	5	100	0.5	0.1	10
CO2	5	137	0.685	0.1	13.7
Fan	5	120	0.6	0.0	1.666666667
PICO	5	300	1.5	0.1	30
Total		757	3.785		

Total current consumption (mAh) :	65.4
Week consumption (mAh) :	10981.6

1 cycle = 5 min =>

	Prototype				
Item	V (V)	I peak (mA)	P (W)	Time (h)	Consumption (mAh)
Temp1	5	100	0.5	0.1	10
Temp2	5	100	0.5	0.1	10
CO2	5	137	0.685	0.1	13.7
Fan	5	120	0.6	0.0	1.666666667
PICO	5	300	1.5	0.1	30
Total		520	2.6		

Total current consumption (mAh) :	41.7
Week consumption (mAh) :	7000.0

Prototype = only 1 temperature sensors + a fan

	Expected Cost of Operation of Product				
	Electrical power consumption per hour				
Item	V (V)	I peak (mA)	P (W)	Time (h)	Power consumption (kWh)
Temp1	5	100	0.5	0.1	0.00005
Temp2	5	100	0.5	0.1	0.00005
CO2	5	137	0.685	0.1	0.0000685
Fan	5	120	0.6	0.0	0.0000084
PICO	5	300	1.5	0.1	0.00015
				Total	0.0
				Electricity cost	0.00 €

	Electrical power consumption per day				
Item	V (V)	I peak (mA)	P (W)	Time (h)	Power consumption (kWh)
Temp1	5	100	0.5	2.4	0.0012
Temp2	5	100	0.5	2.4	0.0012
CO2	5	137	0.685	2.4	0.001644
Fan	5	120	0.6	0.3	0.0002016
PICO	5	300	1.5	2.4	0.0036
				Total	0.0
				Electricity cost	0.00 €

	Electrical power consumption per week				
Item	V (V)	I peak (mA)	P (W)	Time (h)	Power consumption (kWh)
Temp1	5	100	0.5	16.8	0.0084
Temp2	5	100	0.5	16.8	0.0084
CO2	5	137	0.685	16.8	0.011508
Fan	5	120	0.6	2.4	0.0014112
PICO	5	300	1.5	16.8	0.0252
				Total	0.1
				Electricity cost	0.01 €

	Electrical power consumption per month (30 days)				
Item	V (V)	I peak (mA)	P (W)	Time (h)	Power consumption (kWh)
Temp1	5	100	0.5	72.0	0.036
Temp2	5	100	0.5	72.0	0.036
CO2	5	137	0.685	72.0	0.04932
Fan	5	120	0.6	10.1	0.006048
PICO	5	300	1.5	72.0	0.108
				Total	0.2
				Electricity cost	0.06 €