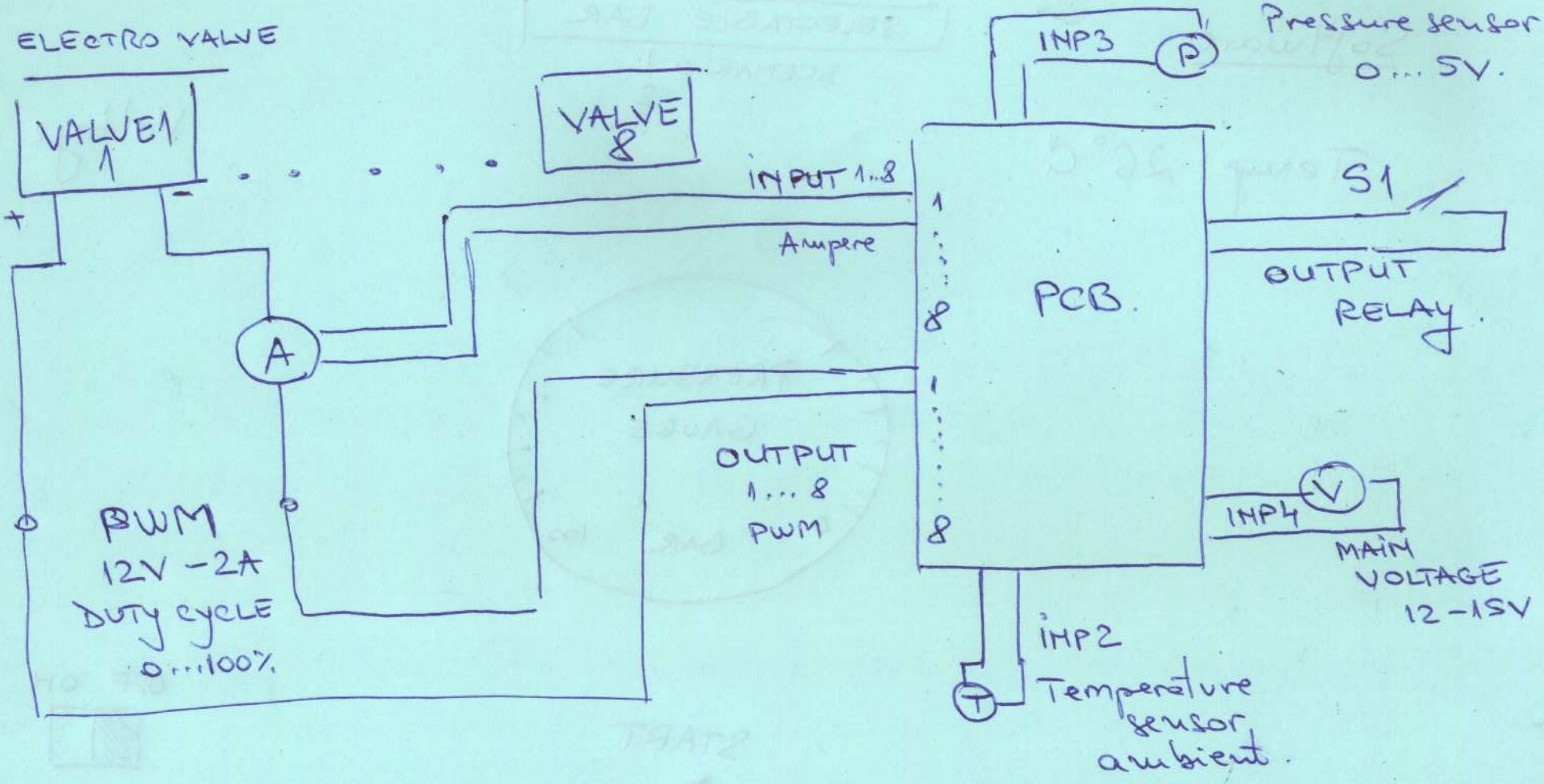

ELECTRO VALVE
VALVE 1
VALVE 8
+
−
A
PWM
12V −2A
DUTY CYCLE
0...100%
INPUT 1..8
Ampere
OUTPUT
1...8
PWM
INP3
P
Pressure sensor
0...5V.
PCB.
S1
OUTPUT
RELAY.
INP4
V
MAIN
VOLTAGE
12-15V
INP2
T
Temperature
sensor
ambient.

Software.

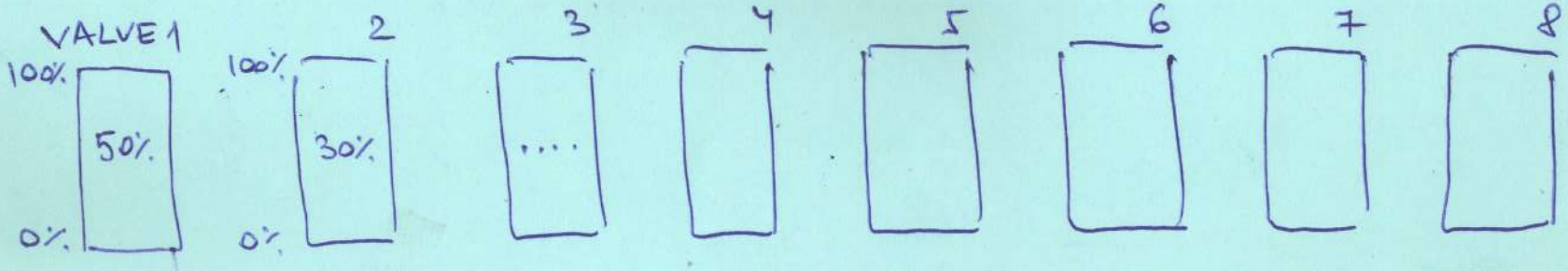
SELECTABLE BAR

SCEMARIO 1
2
3.

Temp: 26° C

Voltage 12.5V.

START



Scenario 1

TEST TIME 300 S.

1. Button ON

Pressure rise until 70 bar.

2. S1 – OFF

VALVE 1 ACTUATING 50%.
VALVE 5 ACTUATING 50%. | 300 S

3. After 2S

VALVE 4 ACTUATING 1 sec / duty 50%.
wait 0.5 S
VALVE 4 NO ACTUATING 1 sec / duty 0%.
wait 1 S.

4. After 2 S.

VALVE 6 ACTUATING 1 sec / duty 50%.
wait 0,5 S.
VALVE4 NO ACTUATING 1 sec / duty 0%.
Same for the other valves.

If pressure drop under 20 bar
stop actuating valves => S1 ON
DROP PRESSURE UNTIL 70 bar
Reload the valve actuating.

Final results.

Graph.