

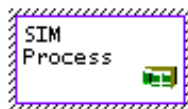
TP3 Eycon - Ayza Audiffren

[illegible]

TP3 Eycon

I. Création et réglage du process virtuel

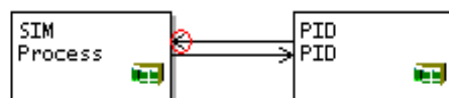
1)



2)

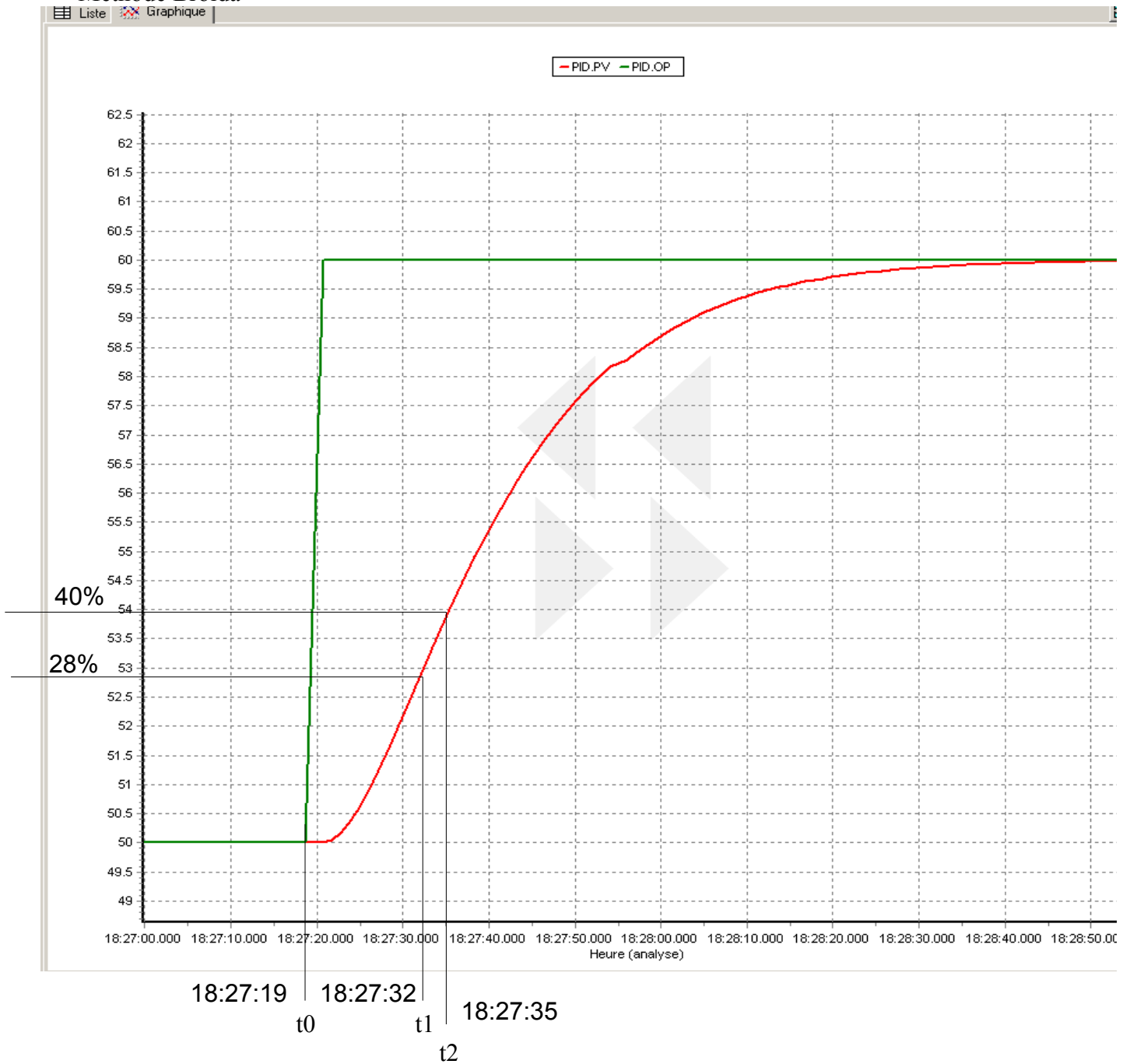
Block: Process						
Comment		Connections				
Tag Name	Process			Unit Name	Process	
Type	SIM			DBase	<local>	
				Rate	0	
Mode	AUTO			Alarms		
Fallback	AUTO			NoiseMax	0.0	Eng2
PV	0.0	%		Lag1	10.00	
Bias	0.0	%		Lag2	12.00	
Track	0.0	%		TimeBase	Secs	
HR_PV	100.0	%		Intgr	FALSE	
LR_PV	0.0	%		Invert	FALSE	
OP	0.0	Eng2		Init	TRUE	
HR_OP	100.0	Eng2		SelfTrack	FALSE	
LR_OP	0.0	Eng2				
HL_OP	100.0	Eng2				
LL_OP	0.0	Eng2				

3)



4)

Méthode Broida



$$K = 10/10 = 1$$

$$T = 2,8 * (32 - 19) - 1,8 * (35 - 19) = 7,6$$

$$t = 5,5 * (35 - 32) = 16,5$$

$$K_r = T/t = 0,46$$

PID Mixte

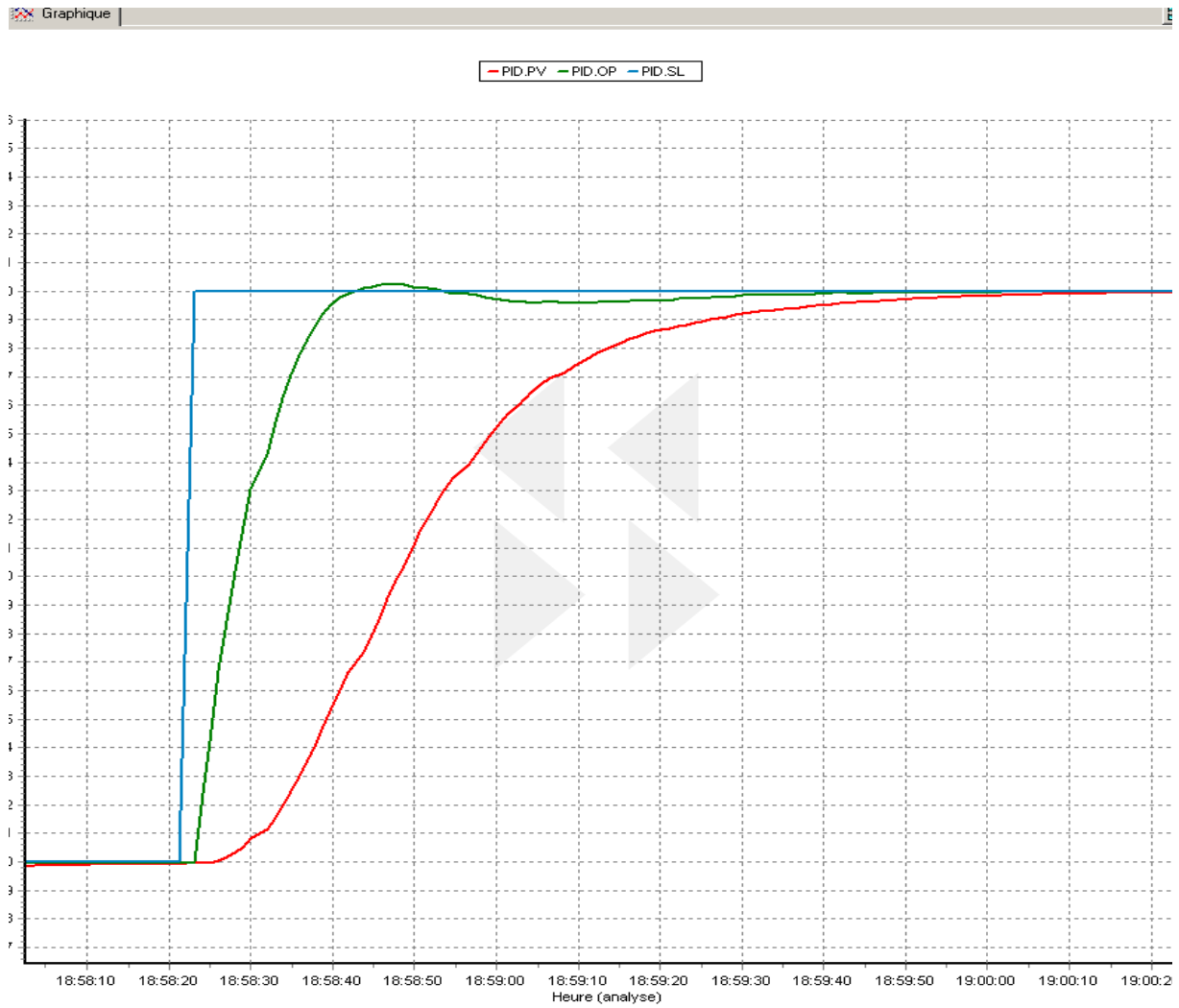
$$A=(0,83/K)*(0,4+1/Kr)= 2,14$$

$$Xp=100/A= 46,81$$

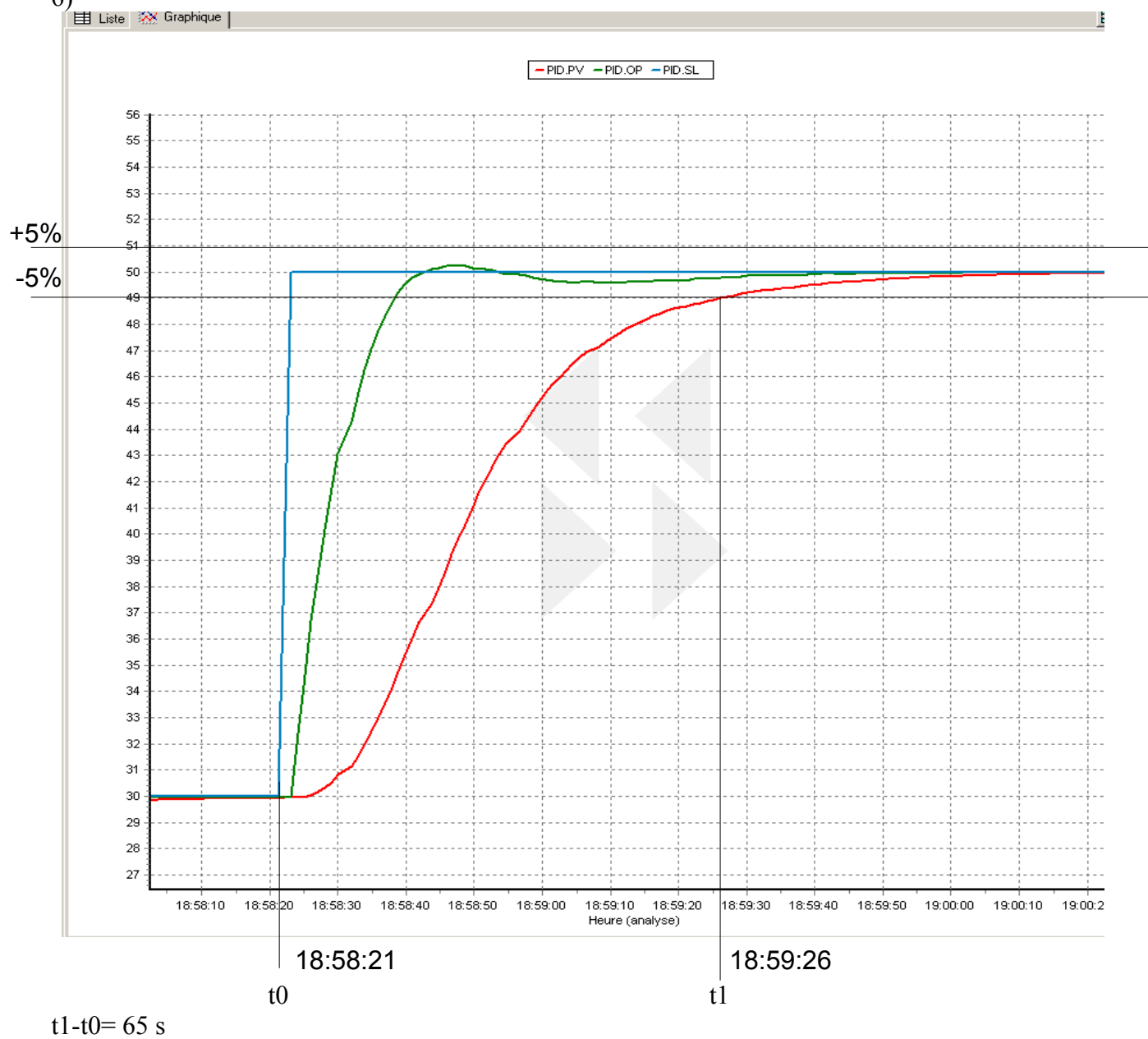
$$Ti=t+0,4T=19,54$$

$$Td=T/(Kr+2,5)= 2,57$$

5)

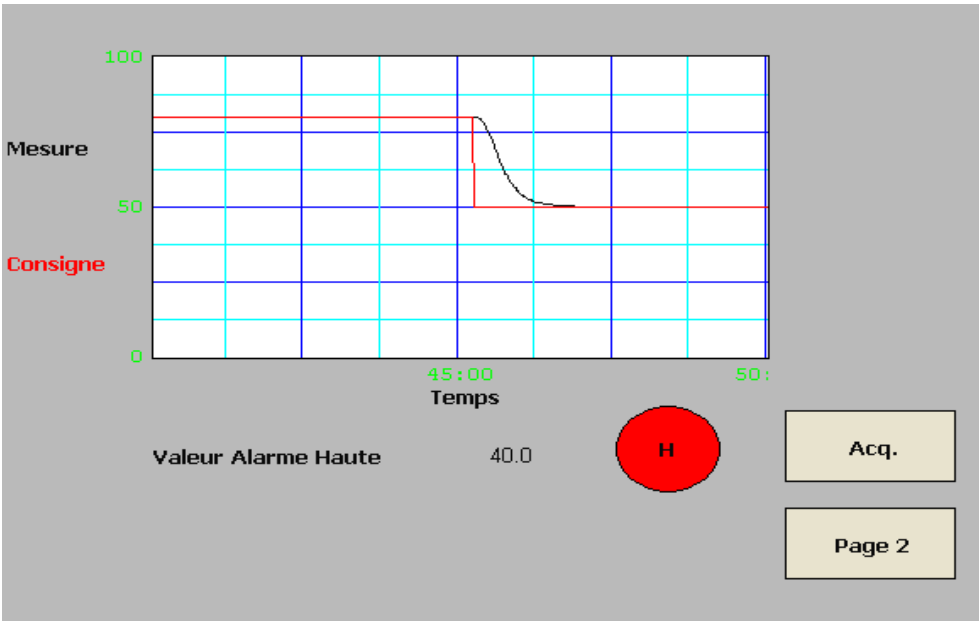
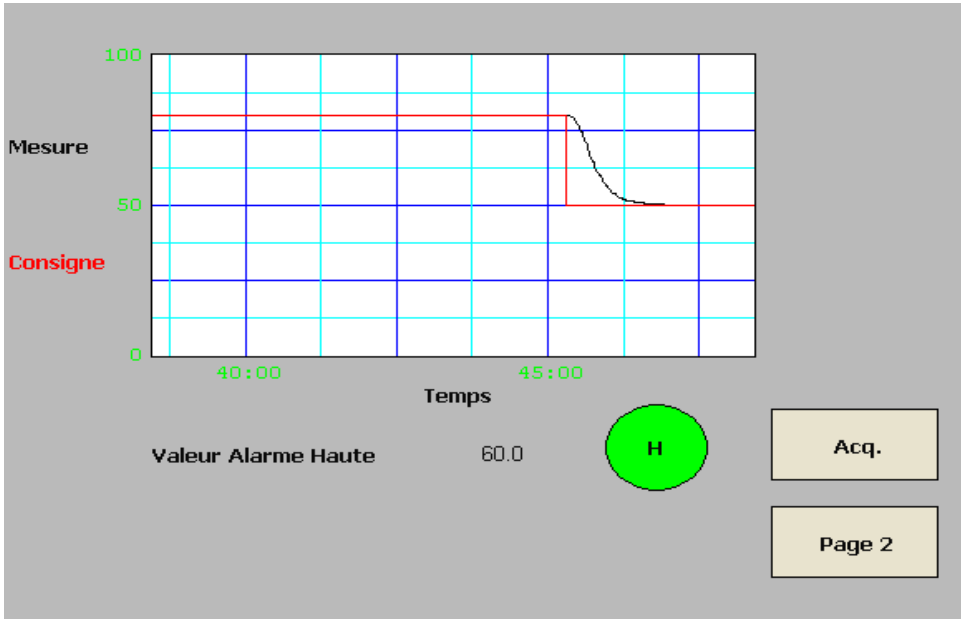


6)



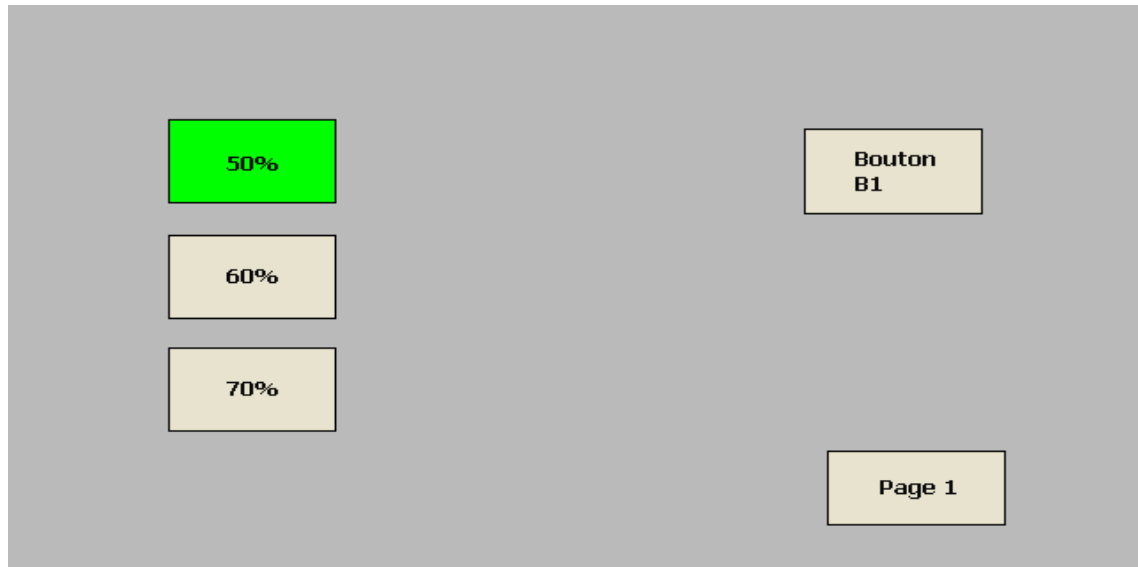
II. Supervision - Page 1 (8 pts)

1)



III. Profil de consigne - Page 2 (8 pts)

1)



2) Je ne sais pas