graphical_user_interface

Pamgene Support 6/19/2019

Introduction

A user requirement for a pamservice tool to be used with

- exising ps12 instruments
- new ps12 instruments

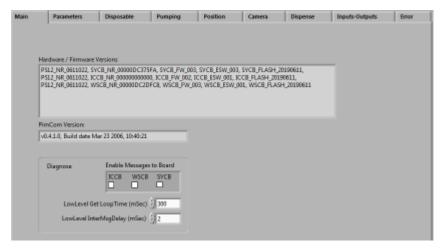
The requirements cover the graphical user interface (GUI) for servicing the ps12.

Graphical User Interface

The requirements for a the GUI is outlined below and each tab is dealt with in each section.

main tab

Used to decide which board to connect to. This tab is removed in the new pamservice tool.



parameters tab

used to get and set the values of the parameters

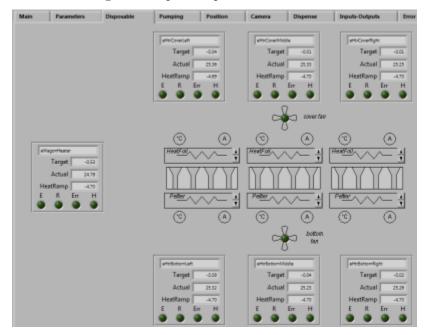


Controllab	Controllable Settings		oration		Logical Positions				
	Name	eSensorObj	j rSysOffset	rSysGain	rSysGain2	rSensOffset			
<u>\$</u> 0	eTempSensDispense	7 108	9,997600E+1	3,050500E-3	1,379500E-13	7 -2,448300E+2 7	2,3		
	eTempSensBottomLeft	50	9,999700E+1	3,051600E-3	1,825800E-11	(x) -2,456000E+2 (x)	2,3		
	eTempSensBottomMiddle	52	9,999400E+1	3,050100E-3	8,503900E-11	(x) -2,469600E+2 (x)	2,3		
	eTempSensBottomRight	54	1,000200E+2	3,050500E-3	1,245400E-10	(x) -2,475900E+2 (x)	2,3		
	eTempSensCoverLeft	<u>^</u> 49	1,000070E+2	3,050800E-3	5,956300E-11	(x) -2,435200E+2 (x)	2,3		
	eTempSensCoverMiddle	<u>/</u> 51	9,999100E+1	3,051400E-3	1,447000E-12	2,482500E+2 2	2,4		
	eTempSensCoverRight	ý 53	1,000080E+2	3,050900E-3	8,379600E-11	(x) -2,473300E+2 (x)	2,3		
	eTempSensCalibration	55	1,00000E+2	3,100000E-3	0,00000E+0	2,454500E+2 2	2,3.		
	ePressSensUnderPress	2	-4,236000E-1	1,100000E+0	0,00000E+0	0,000000E+0 x	-2,2		
	ePressSensAspirate	109	-2,091000E-1	1,00000E+0	0,00000E+0	0,000000E+0 x	-2,2		
	ePressSensOverPress	1	-1,182000E-1	1,050000E+0	0,00000E+0	(x) 0,000000E+0 (x)	2,2		
	ePressSensWell1	56	-2,245500E+0	1,000000E+0	0,00000E+0	0,000000E+0 x	4,4		
	ePressSensWell2	57	-2,268200E+0	1,00000E+0	0,00000E+0	(v) 0,000000E+0 (v)	4,4		
	ePressSensWell3	58	-2,222700E+0	1,000000E+0	0,00000E+0	0,000000E+0 (7)	4,4		
Controllabl	Controllable Settings		bration		Logical Positions				

Controllable Settings		Sensor Calibration				Logical Positions						
A	Name		eCtrlOb)	i	eSensOb	bj	eCurrSensObj	uWaitReady	Timeout	iDefau	ltPwm	rMaxP
	eCtrlDispenseHeadHeater	Ć)	138	(Å)	108	(A)	110	900000	(<u>v</u>)	0	V)	90,00
	eCtrlHtrCoverLeft	()	101	(v)	49	A V	71	900000	(s)	0	(<u>v</u>)	88,44
	eCtrlHtrCoverMiddle	(A)	103	(v)	51	(A)	72	900000	(<u>v</u>)	0	(<u>v</u>)	88,45
	eCtrlHtrCoverRight	(v)	105	(r)	53	(Å)	73	900000	(<u>v</u>)	0	(Š)	88,48
	eCtrlHtrBottomLeft	(v)	102	(v)	50	(A)	68	900000	(<u>v</u>)	0	(<u>v</u>)	88,45
	eCtrlHtrBottomMiddle	(v)	104	(r)	52	(A)	69	900000	<u>v</u>)	0	(V)	88,38
	eCtrlHtrBottomRight	(A)	106	(r)	54	(A)	70	900000	(v)	0	(A)	88,44
	eCtrlUnderPressureSupplier	(Š)	43	(r)	2	(A)	0	10000	<u>(*)</u>	0	(Š)	0,02
	eCtrlOverPressureSupplier	(Å)	42	(Å)	1	(A)	0	10000	<u>(*)</u>	0	(A)	0,60
	eCtrlAspirateHeadPositioner	(\$)	137	(r)	128	(A)	111	80000	<u>(*)</u>	30	(Š)	2,00
	eCtrlDispenseHeadPositioner1	(Š)	139	Ć)	112	(A)	0	30000	<u>\$</u>)	100	(Å)	100,00
	eCtrlDispenseHeadPositioner2	(\$)	140	(r)	114	(A)	0	30000	<u>(*)</u>	100	(Š)	100,00
	eCtrlDispenseHeadPositioner3	(<u>\$</u>)	141	(r)	116	(A)	0	30000	<u>(*)</u>	100	(Š)	100,00
	eCtrlDispenseHeadPositioner4	(Å)	142	Ć)	118	(A)	0	30000	<u>(</u>)	100	A V	100,00
	eCtrlFilterPositioner	(Å)	47	<u>(</u>	16	(A)	6	30000	<u>(</u>	0	(Š)	10,00

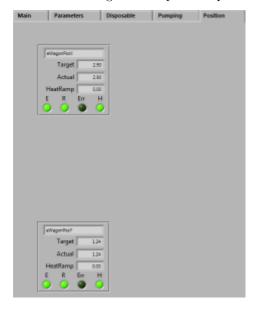
disposable tab

used to set and get the disposable parameters



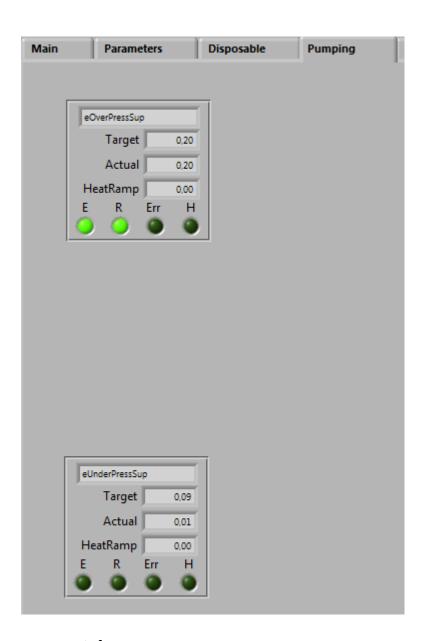
position tab

used to set and get of the position parameters



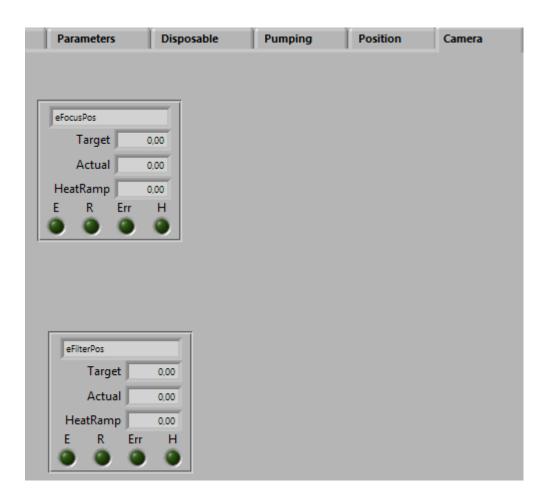
pumping tab

used to set and get of the pumping parameters



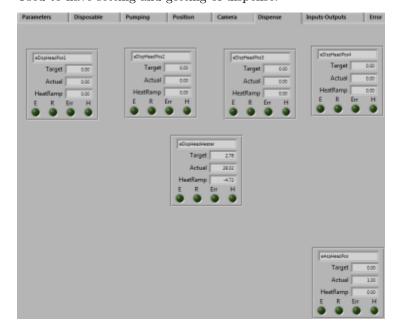
camera tab

used to control the camera



dispense tab

Used to have setting and getting of dispense.



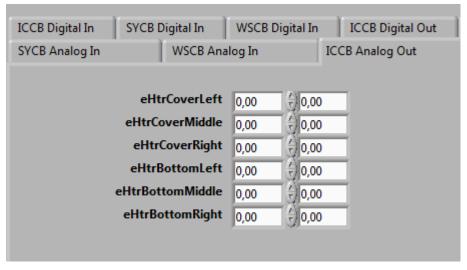
input/outputs tab

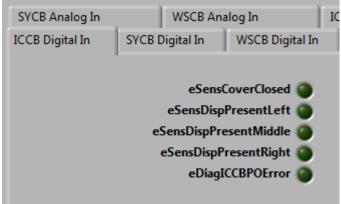
Used to get and set the values across the three control boards.

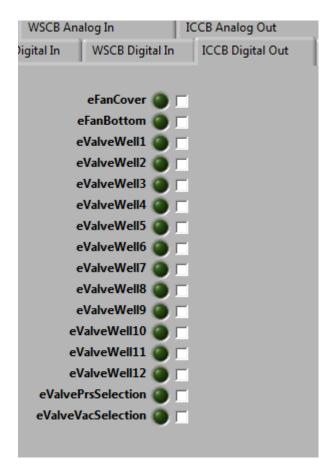
- iccb (incubate board)
- sycb (system board)
- wsb (wash board)

iccb (incubate board)

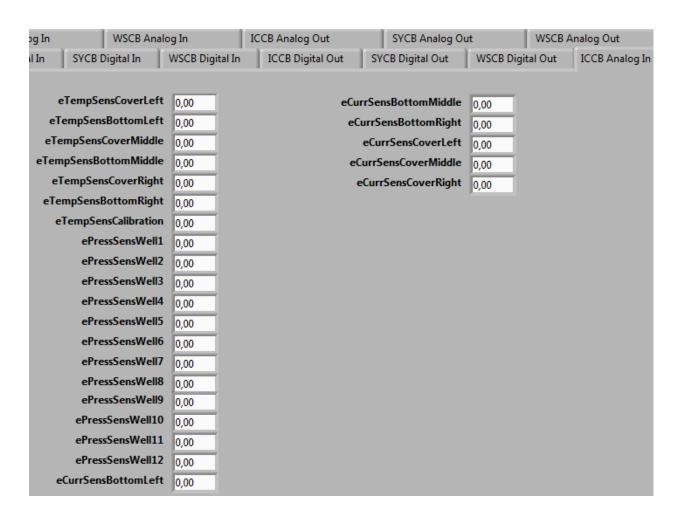
The following four tabs are moved into one incube board tab.





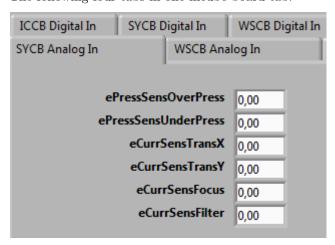


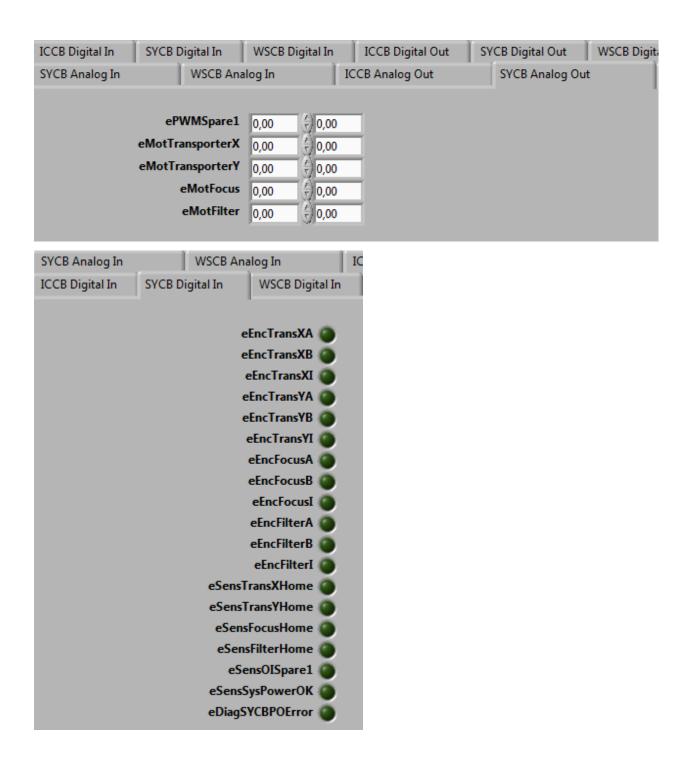
Select all values button

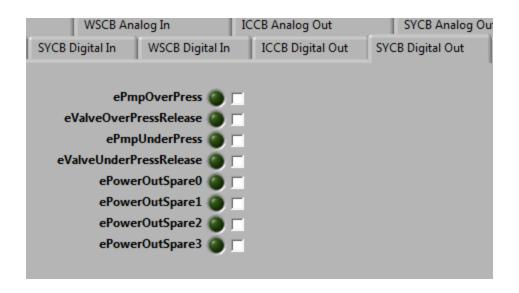


sycb (system board)

The following four tabs in one incube board tab.



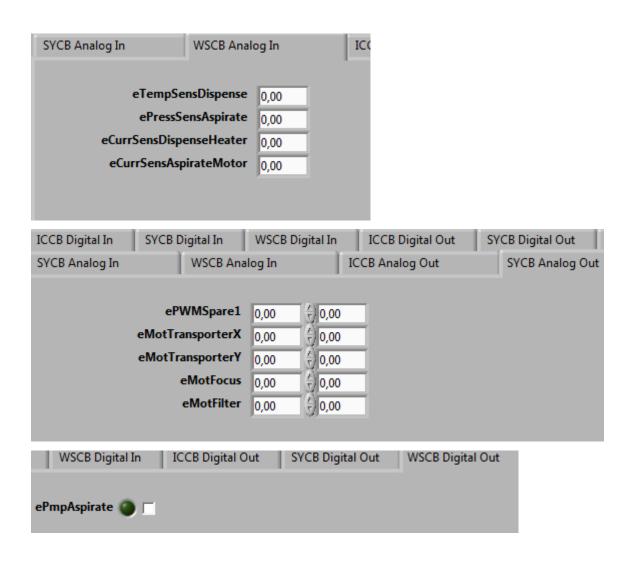




wsb (wash board)

The following four tabs are moved into one wash board tab.





error tab

