



SEA WCM System EPROM Table Version Update Instructions

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The WCM system is constantly being improved by hardware and software updates. If by chance you have a miss match in SeaWcm software EPROM table version the SeaWcm software will notify and prevent you from using your system.

This miss match presents itself when one part of your system was programmed with a newer version then the other part of your system with the old version. For example, if just a Probe was updated but not the Power box.

Not to worry, this is easily fixed by re-burning the probe EPROM from your computer. Please take caution not to change your calibration constants. Follow the below instructions if your SeaWcm software gives you a table version error in the white dialog box at the bottom of the program. If you do not have an error that stops you from using the WCM System then disregard this document.

Instructions for re-burning EPROM without changing the parameters

Caution: Incorrect parameters could cause damage to the Sense Head.

1. Power on system (Main power on, element and deice off).
2. Run SeaWcm.
3. If system is in play mode then press the stop button. 
4. Click onto the probe tab (or other tab depending on what item has the table version error).
5. If system is already stopped then press the reload button  (wait for cycle to complete).
6. Take note of all parameters in this tab. If the previous operation fails or the values don't appear to correct, you should exit the SeaWcm software and don't make any unwanted modifications to the system.
7. In the Revision box only delete out the numbers (typically 0001) and re enter them back the same way. This causes a change without changing any important variable. The change is important because the SeaWcm is smart and will only allow the user to make changes when it notices that the user has entered a new value. This change will cause the file address field and dot by the probe tab to turn red, indicating the SeaWcm has noticed a change and it needs to be saved.
8. Burn the EPROM by pressing the burn button  and wait for operation to complete.
9. Save configuration file to the system by pressing the save button. 
10. Press play to run probe. 
11. Go through all the tabs in the SeaWcm software and check to see if the parameters are the same as before and also make sure you are not getting the table error or any other error message.
12. At this point the change is complete and you can assume it's safe to run the system.

SeaWcm : 2010

File Edit Help SEA

Probe On (h) 38.61 Deice On (h) 37.66 Temp 28.6 °c End

SAFE

Run

//1/wc2000/prb/2010.cfg

TWC/LWC Data Power Box Probe Main Cable Secondary Cable Setup

Serial Number 2010 1-wire EF000000693C5A23 Cal Date

Revision 0001

Month Day Year
1 28 2009
1 28 2010

Due Date

Probe On (h)
0.00

Deice On (h)
0.00

	Element 1	Element 2	Element 3	Comp	Deice
Type	TWC	083	021	CMP	DCE
Kp	3000	2000	500	200	1500
Ki	25	20	5	5	50
Kd	2000	2000	500	100	30000
DAC Min	1000	0	0	16000	1000
Set Point	140	140	140	140	50
					°c
R100	14.8082	35.8605	27.8728	84.4472	mΩ
dT/dR	59.3829	27.6393	9.1718	3.3709	°c/ mΩ
Length	22.758	21.895	21.742	16.368	mm
Width	3.556	2.108	0.533	0.2794	mm
Depth	1.5875	2.108	0.533	0.2794	mm
Shape	Half-R	Tube-Fil	Wire	Wire	
Slope	5.9805	4.3135	1.9889		
Offset	0.9021	0.9041	0.8407		
Fixture	0.3	0.3	0.3	0.3	mΩ

13:11:38.507: Probe load done
 13:11:39.174: MainCable load done
 13:11:39.841: SecondaryCable load done
 13:11:40.736: PowerBox load done
 13:11:41.178: Run mode