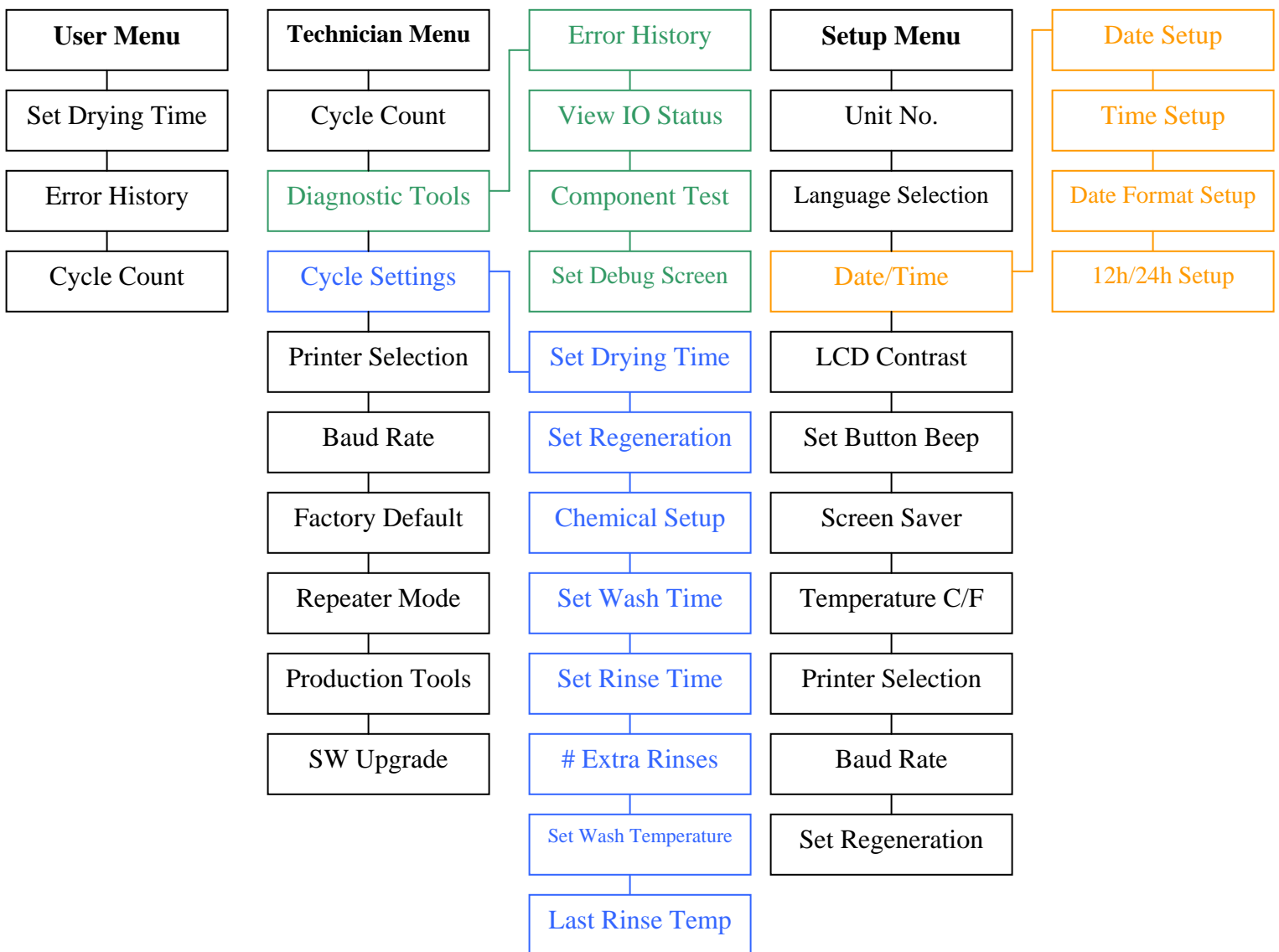
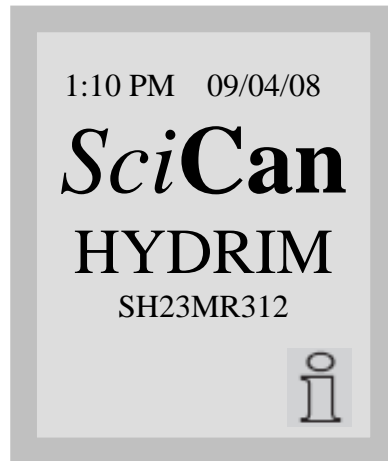
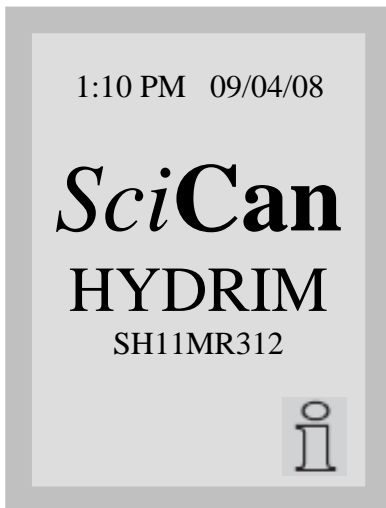


# Hydrim C51w with Touchscreen Operator Instructions & All Menus



## Operating Instructions



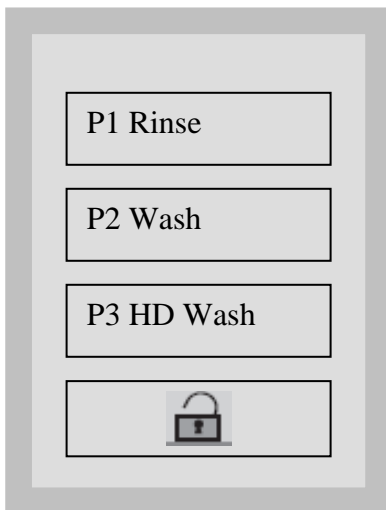
### Power up screen

When Power Switch is turned ON this screen appears.

Pressing the “i” will allow you to enter the User, Technician or Setup menus.

The “i” symbol disappears after 10 seconds.

Touch the screen anywhere to change to Main screen.



### Main menu screen

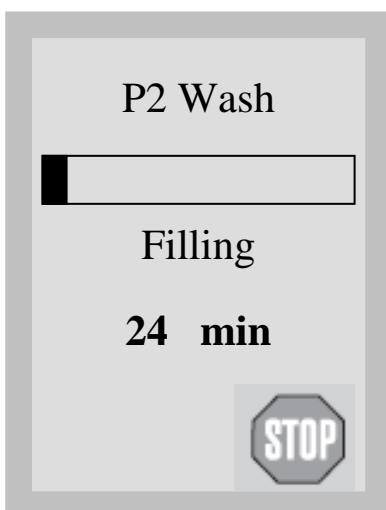
Menu Screen select cycle.

Use P1 Rinse to prevent soil from drying on instruments when they will not be washed within 1 hour.

Use P2 Wash for loose instruments

Use P3 HD Wash for cassettes, hinged instruments or heavily soiled instruments.

Press lock to open door.



### Cycle screen

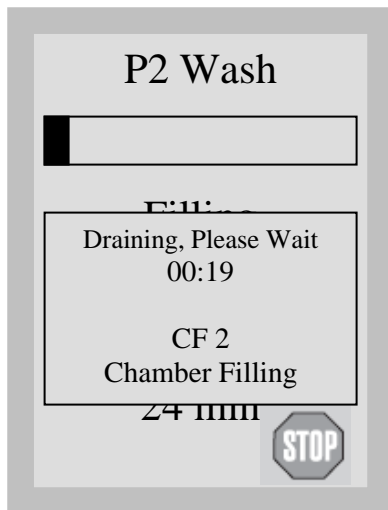
Cycle name appears at top of screen.

Progress bar shows progress of the cycle as percentage of remaining time vs. remaining time at the beginning of the cycle.

The stage within the cycle is shown beneath the bar (ex. Draining, Filling, Rinsing).

The estimated time remaining (in minutes) is always displayed. Please note that the time will increase or decrease depending on the projected cycle completion.

Press stop to abort cycle.



### **Cycle aborted screen**

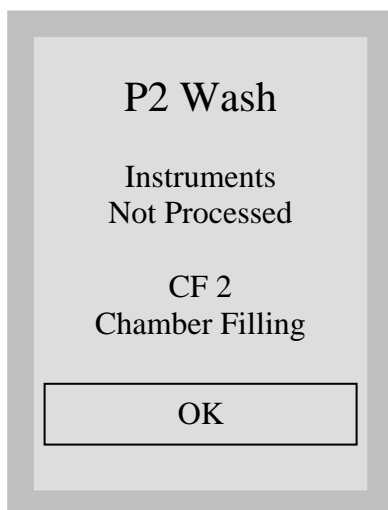
Touch screen is not active.

Unit drains for 20 seconds.

Error Code appears on display

Stop button will be shaded at this time.

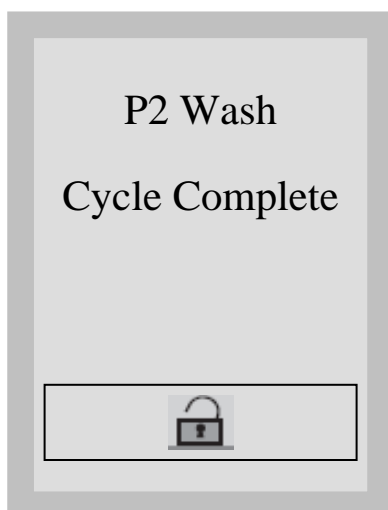
After draining timeout is complete, screen switches to cycle aborted acknowledge screen.



### **Cycle aborted acknowledge screen**

If cycle aborted due to cycle fault or door opening display will indicate problem.

Press the OK button to return to the main menu screen.

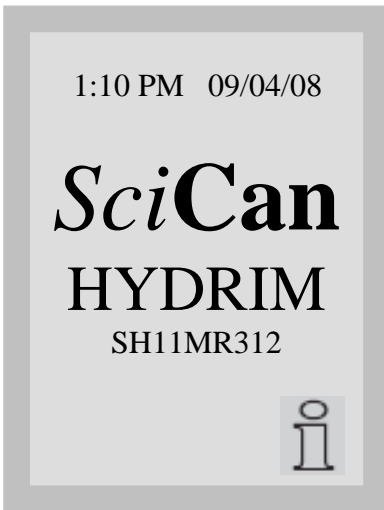


### **Cycle complete screen**

When the cycle is complete the program name and "Cycle Complete" is displayed.

Press the OK button to return to the main menu screen.

## User Menu

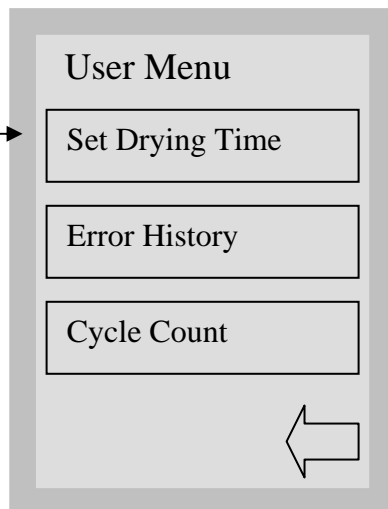
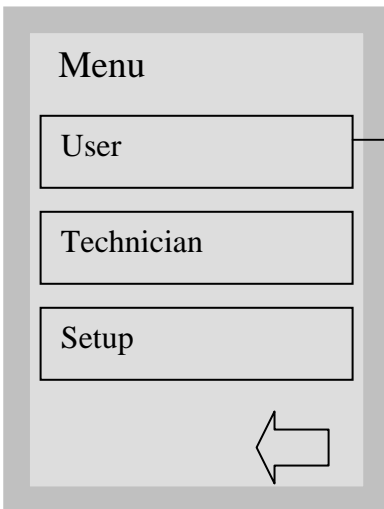


### Power up screen

To access the user menu, follow these steps:

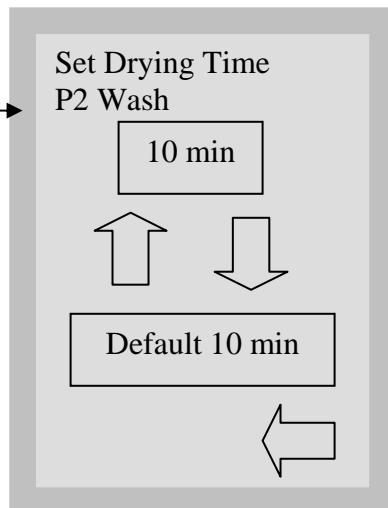
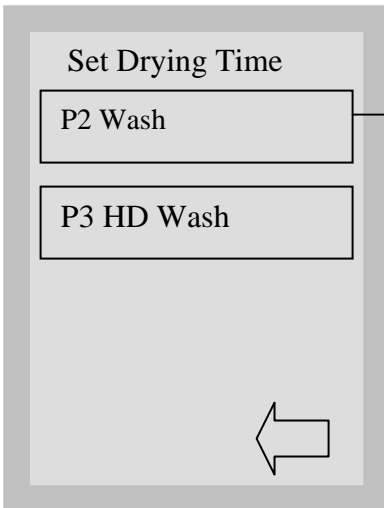
Turn the Hydrim OFF and then ON. An “i” (information) will appear for about 10 seconds at the bottom right hand corner.

Touch the “i” to move to the Menu screen.



### Select User.

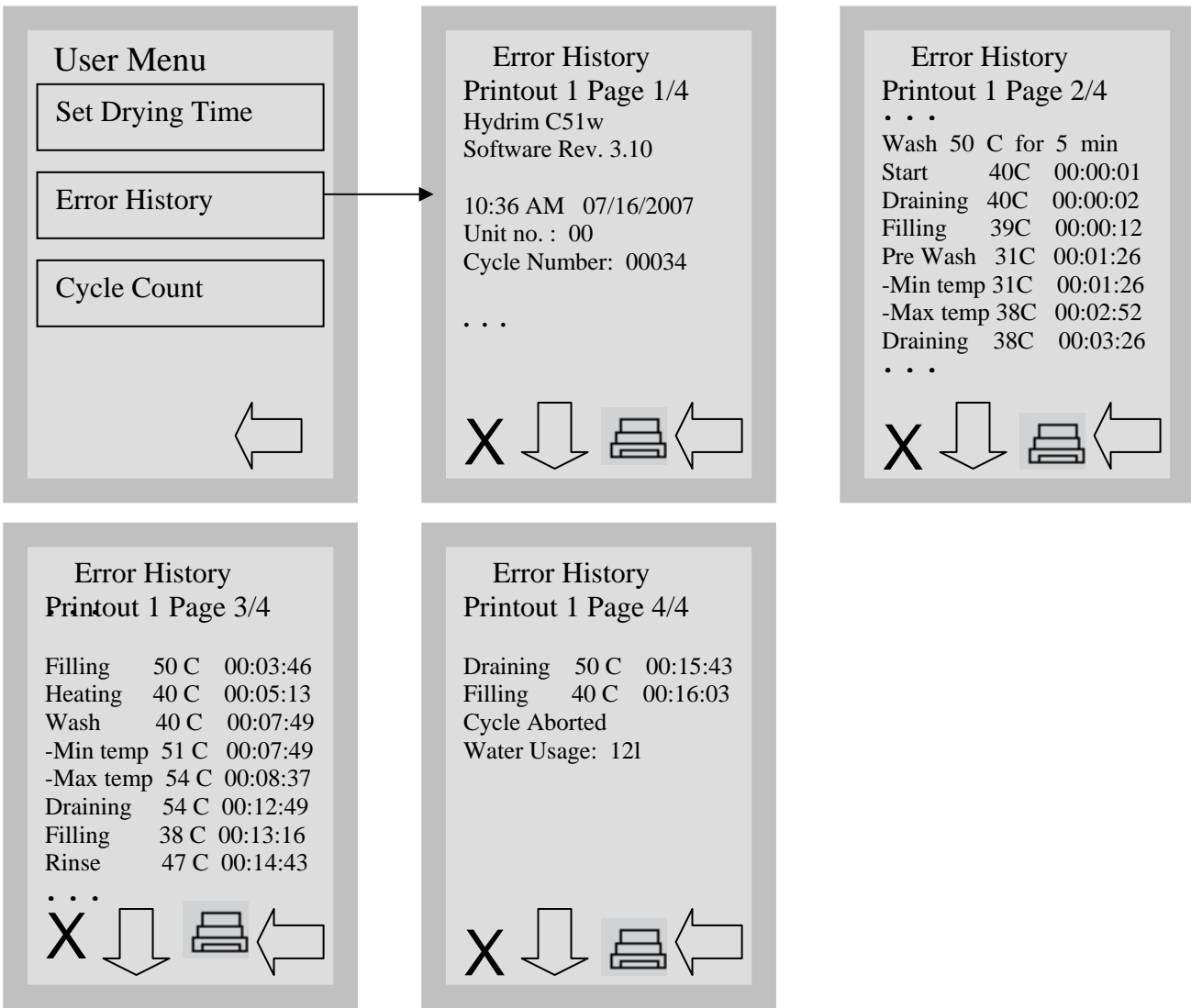
The User Menu consists of three choices



### Set Drying Time

The drying time for P2 and P3 can be set independently.

Touch the cycle for which you want to set the drying time. Use the up and down arrows to select the desired drying time. Choose from 1 to 20 min. Touch **default** if you wish to return to the factory default. Use the back arrow to return to the previous screen.

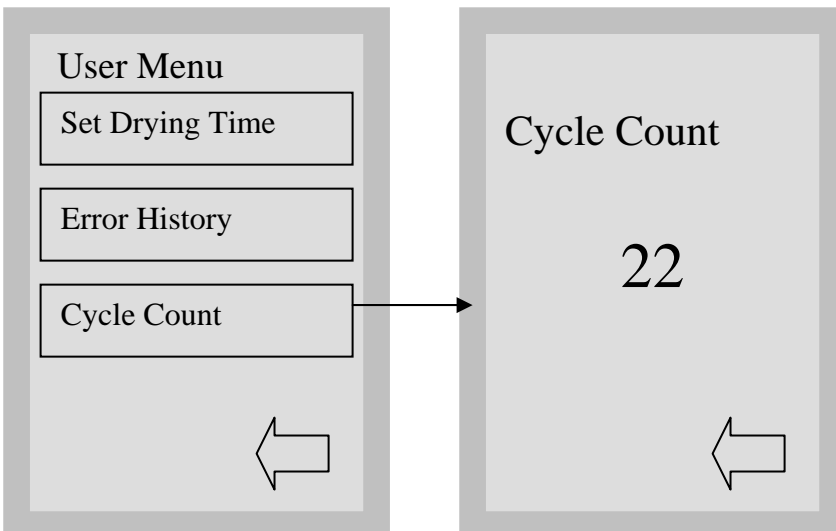


Error history screen allows the user to see the last four errors.

Press the down arrow to move to the next page/error.

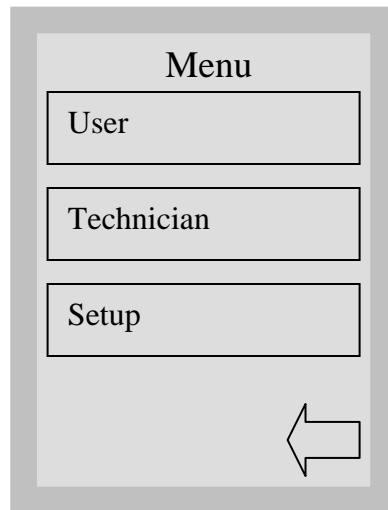
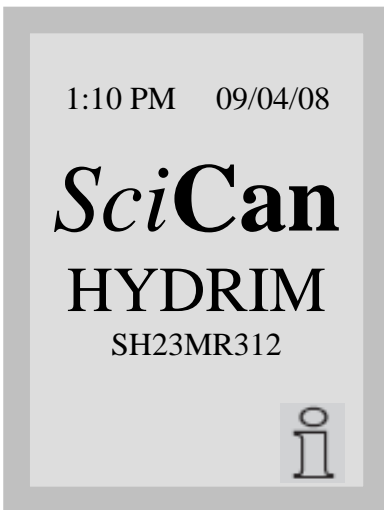
Press the X in the lower left hand corner to clear the error history. There must be 4 errors stored to clear the error history and the last error will remain.

Press the back arrow to return to the previous menu.



This allows the user to see how many cycles have been run on the Hydrim. Touch cycle count and the number of cycles (completed and aborted) will be displayed. This cannot be reset. Touch the back arrow to return to the previous menu.

## Setup Menu

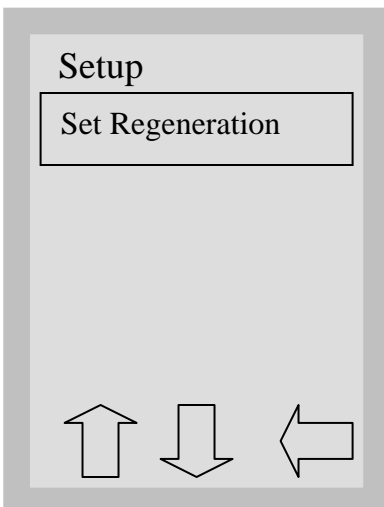
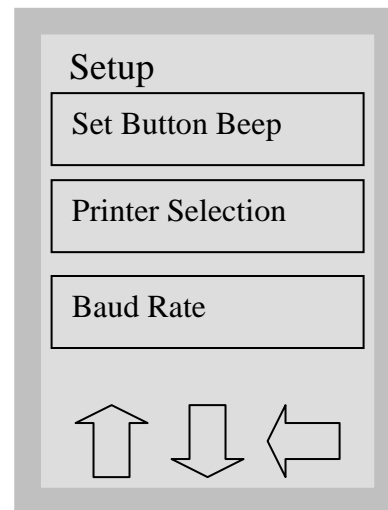
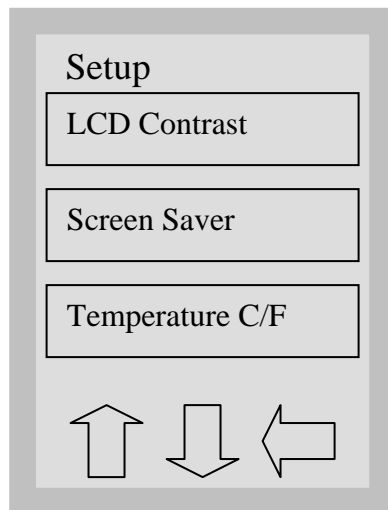
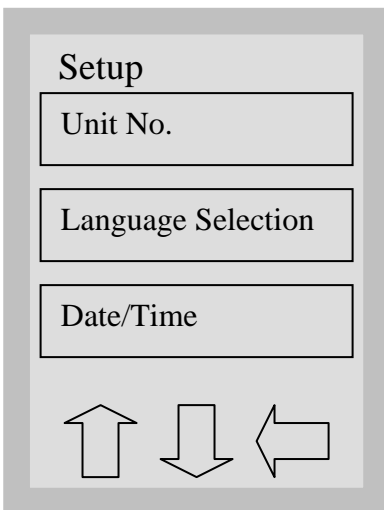


### Power up and Select Setup screen

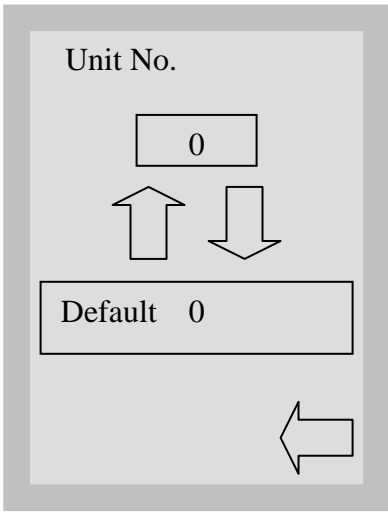
To access the Setup Menu, follow these steps

Turn the Hydrim OFF and then ON. An “i” (information) will appear for about 10 seconds at the bottom right hand corner.

Touch the “i” to move to the Menu screen and select Setup.

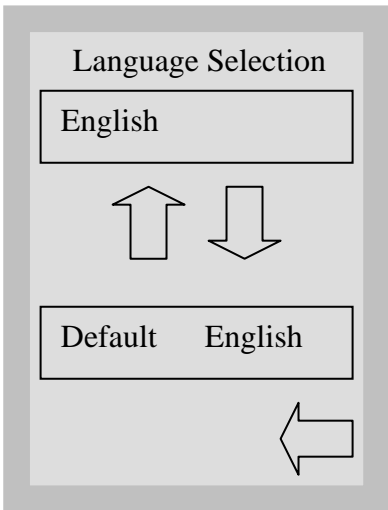


The Setup Menu consists of ten choices as shown above. Use the up and down arrows to move through the choices, touch the desired option to select it. For more details on each Setup Menu option, refer to the following sections.



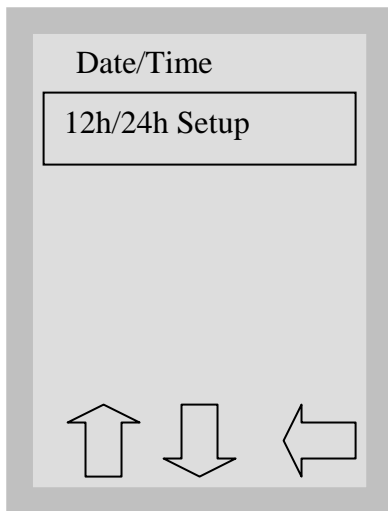
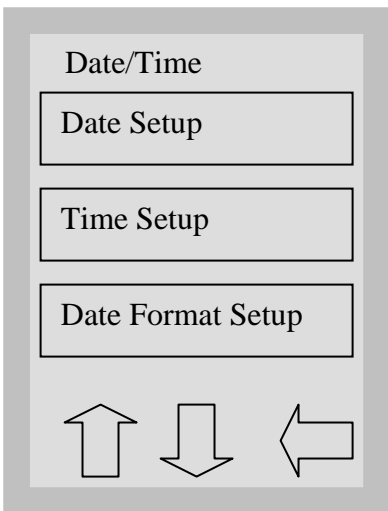
### Unit Number

If you have more than one Hydrim in your office, you can designate them Unit #1, Unit #2, etc. The unit# will appear on the printout if a printer is connected. Use the up and down arrows to select the unit number. The default is 0. Touch the back arrow to return to the previous menu.



### Language Selection

This allows the user to select among available languages for the Hydrim. Use the up and down arrows to select the desired language. The default language is English. Touch the back arrow to return to the previous menu.



### Date/Time

The Date/Time menu consists of four options. Use the up and down arrows to move from screen to screen. The user can set the current date and time, set the date format and the time format.

**Date Setup**  
DD/MM/YY --/--/--

1	2	3
4	5	6
7	8	9
CL	0	EN

←

### Date Setup

Enter the day, month and year and touch EN to save. Touch CL to clear the last number entered.

**HH:MM:SS[1-AM 2-PM]**  
--:--:-- --

1	2	3
4	5	6
7	8	9
CL	0	EN

←

### Time Setup

Enter the time in hours, minutes and seconds and press EN to save. Touch CL to clear the last number entered. AM/PM will only appear if 12h format is selected.

**Date Format**

DD/MM/YY

↑ ↓

Default DD/MM/YY

←

### Date Format

Use the up and down arrows to change the date format from DD/MM/YY to MM/DD/YY. The default is DD/MM/YY

**12h/24h Setup**

12

3:05 PM 09/04/2008

↑ ↓

Default 24

←

### 12h/24h

Use the up and down arrows to switch from 12-hour to 24-hour clock. The default is 24-hour clock.

**LCD Contrast**

50%

↑ ↓

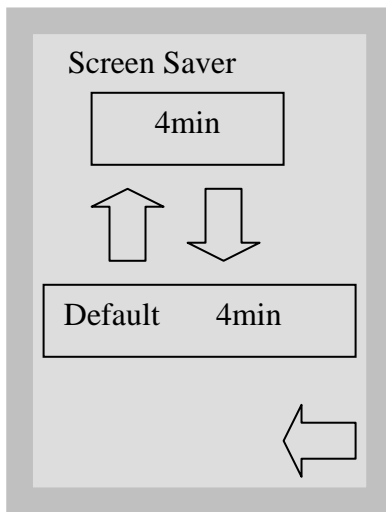
Default 50%

←

### LCD Contrast

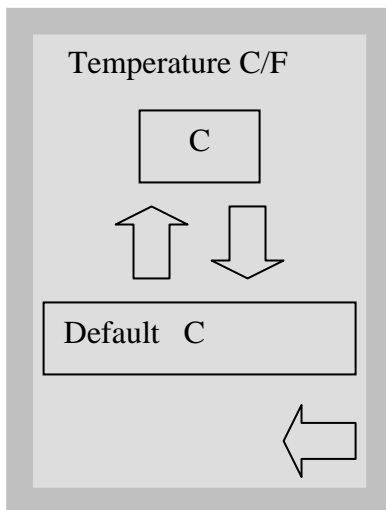
The user can adjust the LCD contrast. Touch the up and down arrows to select the desired contrast. The default is 50%. Touch the back arrow to return to the previous menu.





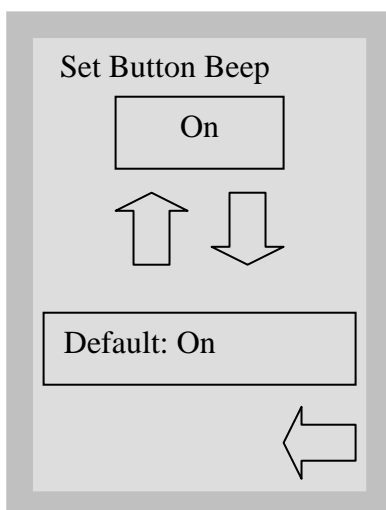
### Screen Saver

The user can adjust the time that elapses before the screen goes into screen saver mode. Touch the up and down arrows to select the desired screen saver setting. The default is 4 minutes. Touch the back arrow to return to the previous menu.



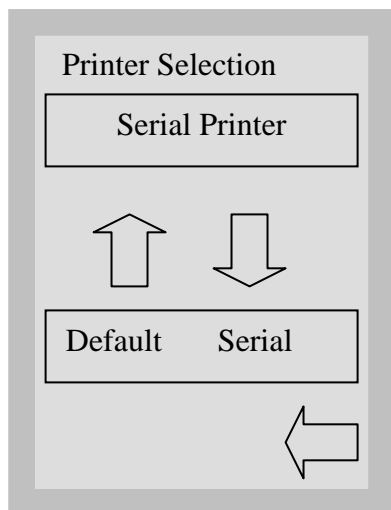
### Temperature C/F

The user can choose to have information displayed in degrees Celsius or degrees Fahrenheit. Touch the up and down arrows to select the desired choice. The default is degrees Celsius. Touch the back arrow to return to the previous menu.



### Set Button Beep

The user can select between having the unit beep or not beep whenever a screen button is touched. Turn the beep ON or OFF by using the up and down arrows. The default setting is ON. Touch the back arrow to return to the previous menu.



## Printer Selection

Printer selection allows the user to select either a default serial printer or the SciCan Data Logger as the recording medium for cycle information.

## Printer / USB Setup

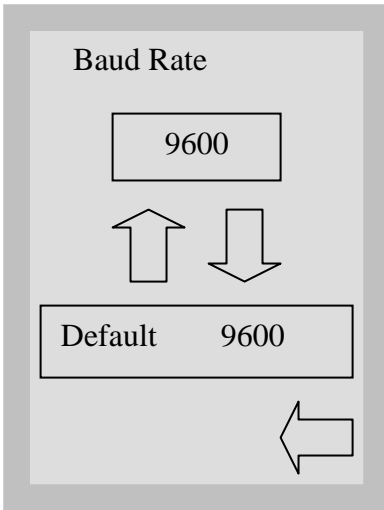
The Hydrim C51w has an RS-232 port at the back, and can be used with an external printer or the SciCan Data Logger. The printers in the chart below have been tested with the Hydrim. To add or change a printer or SciCan Data Logger, follow these steps:

Turn off the Hydrim and the printer or Data Logger before connecting these devices to the unit.

1. With the printer or Data Logger connected, turn on the Hydrim and press the “i” to move to the Menu Screen.
2. In the Setup Menu, select Printer Selection.
3. Select Serial Printer if connecting a printer, or USB Flash/MSD if connecting a the SciCan Data Logger. Press the back arrow to return to the Setup Menu.
4. In the Setup Menu, select Baud rate.
5. Select the rate required (refer to chart below for recommended Baud rates). Use the back arrow to return to the Start screen.
6. Ensure that the date and time have been set (see Setup Menu – Date/Time).
7. Now the Hydrim will write its cycle information to the device chosen.

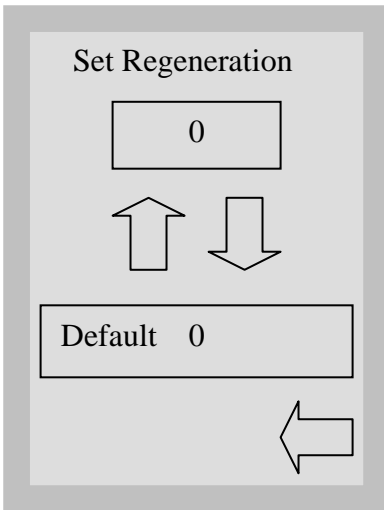
Printer Model	Serial Port Baud Rate
Epson TM-U220D	9600
Citizen IDP-3110-40 RF115	9600
Star Micro SP212FD42-120	9600
Star Micro SP216FD42-120	9600
Star Micro SP512MD42-R	9600

SciCan Data Logger	Serial Port Baud Rate
For Mass Storage Device	9600



### Baud Rate

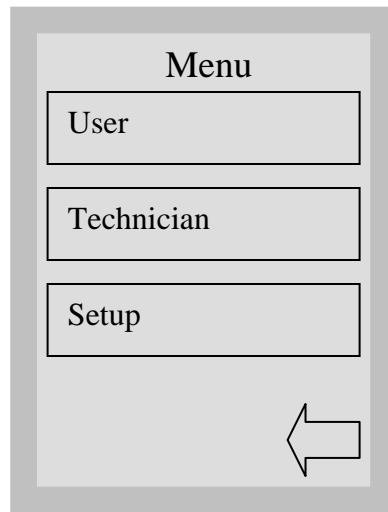
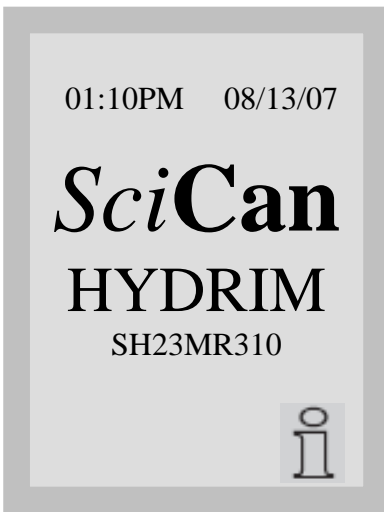
The Baud rate is a setting used in conjunction with the Printer Selection. Baud Rate is a measure of how fast data is moving through the serial connection.



### Set Regeneration

Set the salt regeneration according to the local water hardness. Use the up and down arrows to change the value. The default setting is 0. See installation instructions for further information. Touch the back arrow to return to the previous menu.

## Technician Menu

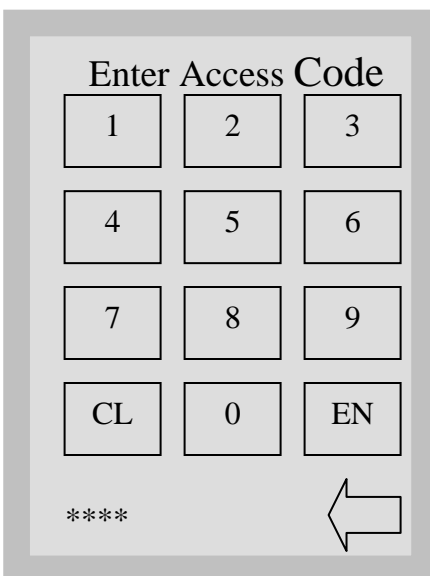


### Power up and Select Technician screen

To access the Technician Menu, follow these steps

Turn the Hydrim OFF and then ON. An "i" (information) will appear for about 10 seconds at the bottom right hand corner.

Touch the i to move to the Menu screen and select Technician.

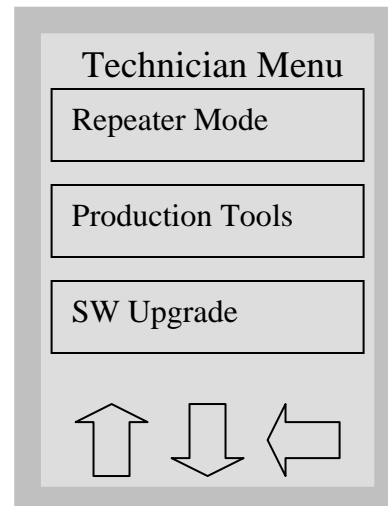
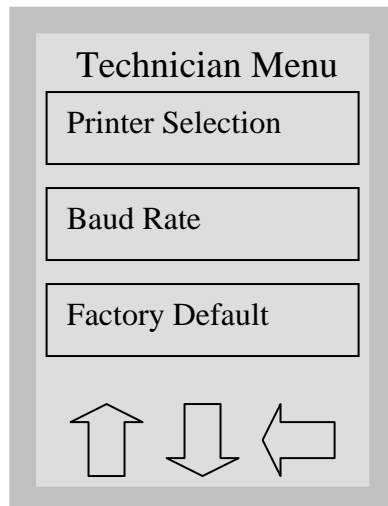
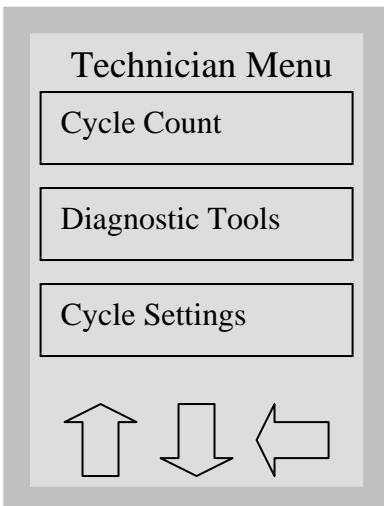


To enter the Technician Menu touch 7919 and press EN.

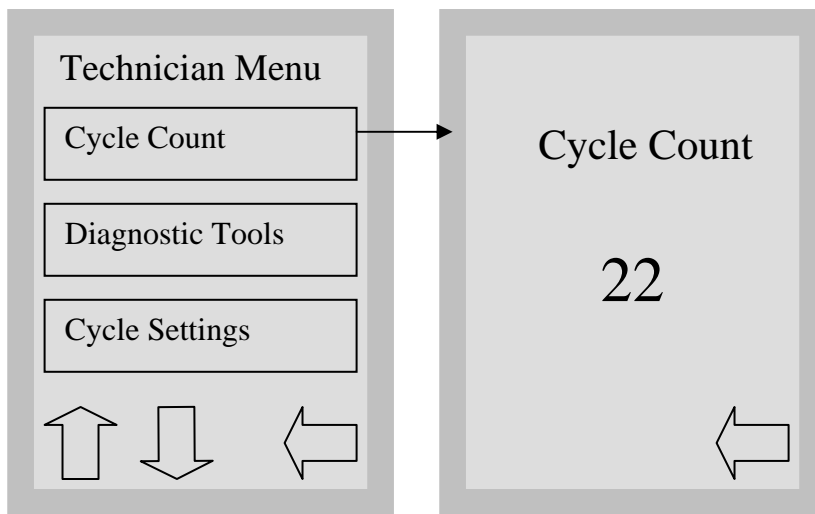
Password is shown as "\*" characters.

Touch CL to clear the last number entered.

Press the back arrow to return to the previous menu.



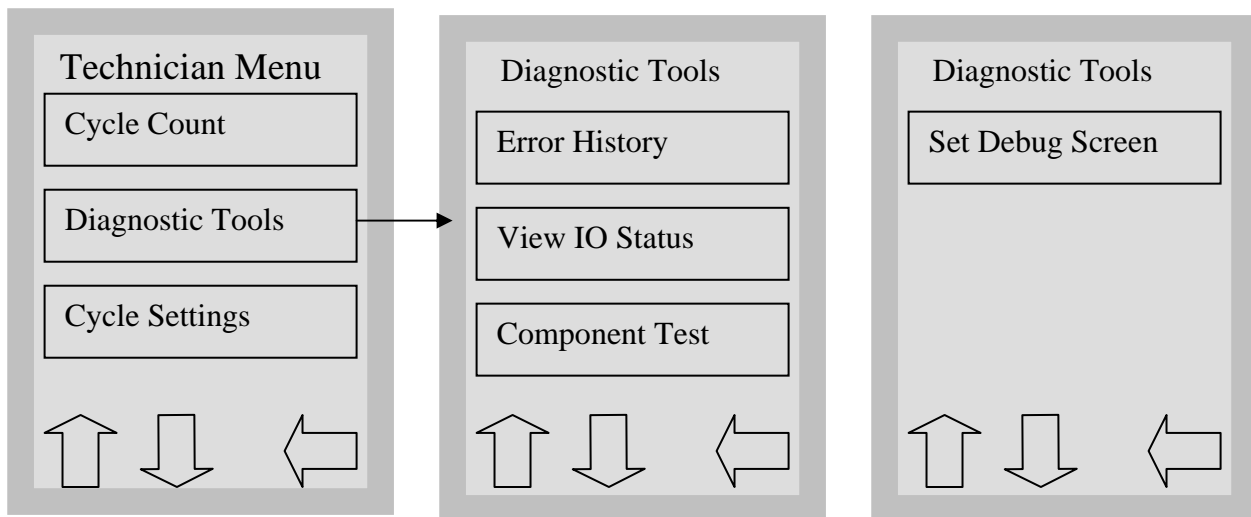
The Technician Menu consists of these nine choices. Up arrow pressed, change to previous Technician menu screen. Down arrow pressed, change to next Technician menu screen. Press the back arrow to return to the previous menu.



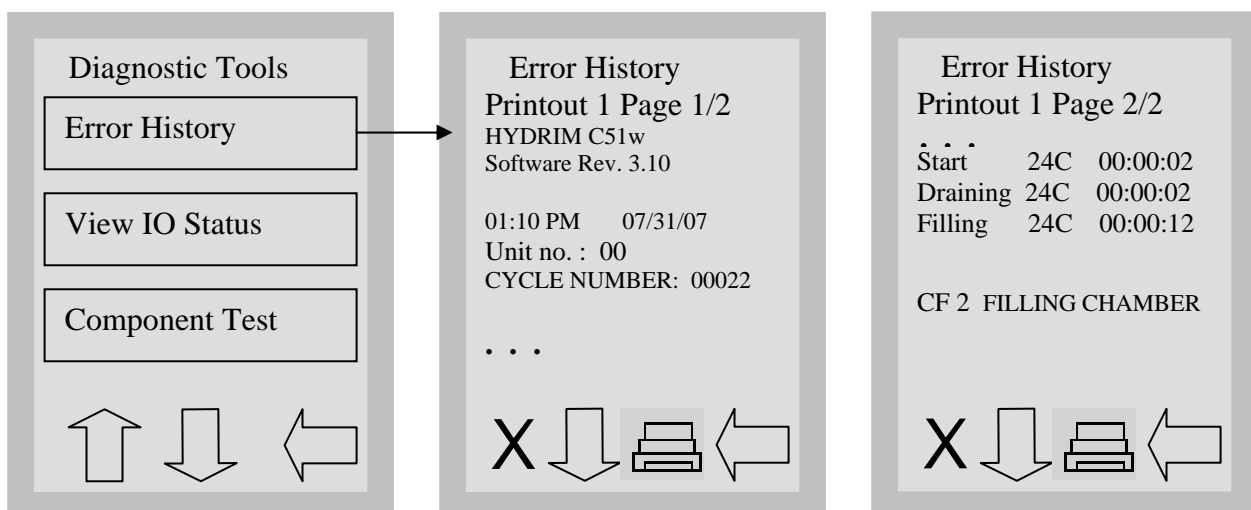
Cycle Count screen, allows the technician to see how many cycles have been run on the Hydrim.

Touch cycle count and the number of cycles (completed and aborted) will be displayed.

Press the back arrow to return to the previous menu.

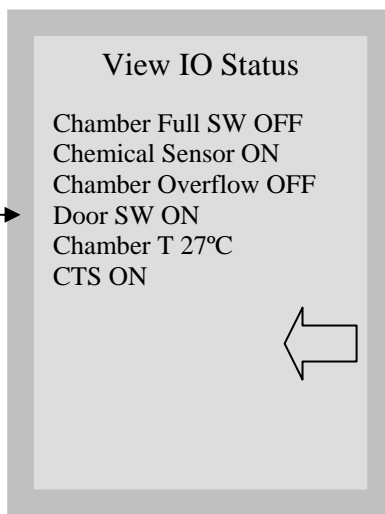
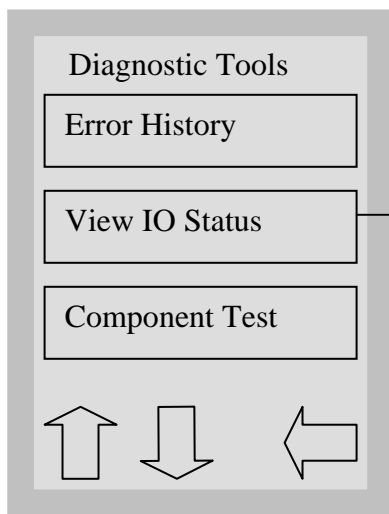


The Diagnostic Tools menu consists of four choices. Up arrow pressed, change to previous Diagnostic Tools screen. Down arrow pressed, change to next Diagnostic Tools screen. Press the back arrow to return to the previous menu.



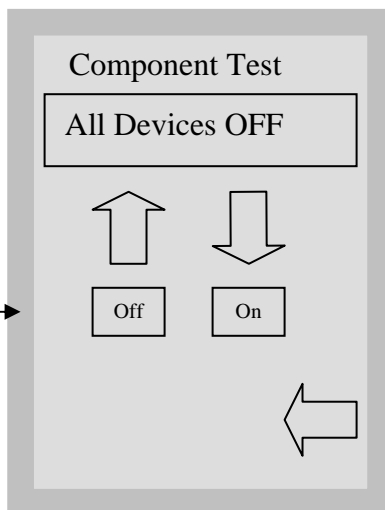
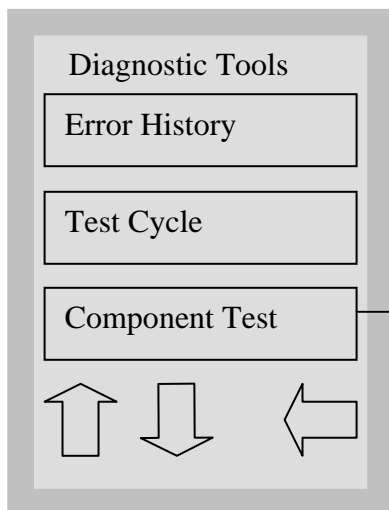
Error History screen, allows the user to see the last four errors.

Press the down arrow to move to the next page / error. Press the X in the lower left hand corner to clear the error history. There must be 4 errors stored to clear the error history and the last error will remain.



Shows the status of each component in the unit:

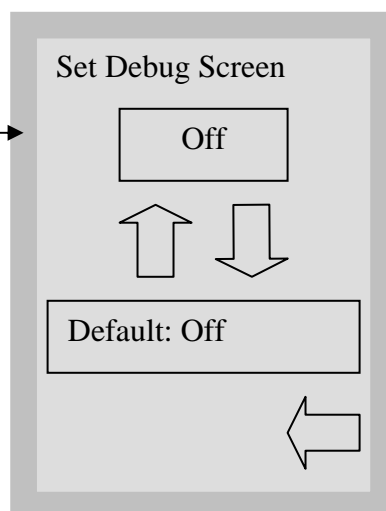
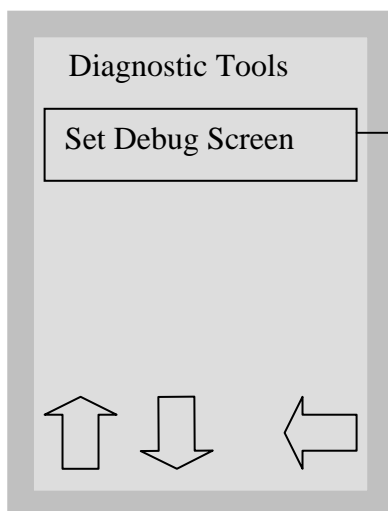
Chamber Full SW – ON/OFF  
Chemical Sensor - ON/OFF  
Chamber Overflow SW – ON/OFF  
Door SW – ON/OFF  
Chamber Temperature - XX°C  
CTS (clear to send) – ON/OFF  
(To Printer or Data Logger)  
Press the back arrow to return to the previous menu.



Allows individual testing of the following components:

Circ. Pump M1 - ON/OFF  
All Devices – ON/OFF  
Latch L1 – ON/OFF  
Salt Valve Y2 – ON/OFF  
Dosing Pump M4 – ON/OFF  
Dryer Motor+Heater – ON/OFF  
Hot W Valve Y7 – ON/OFF  
Cold W Valve Y1 – ON/OFF  
Rinse Aid Valve – ON/OFF  
Waste Pump M2 – ON/OFF

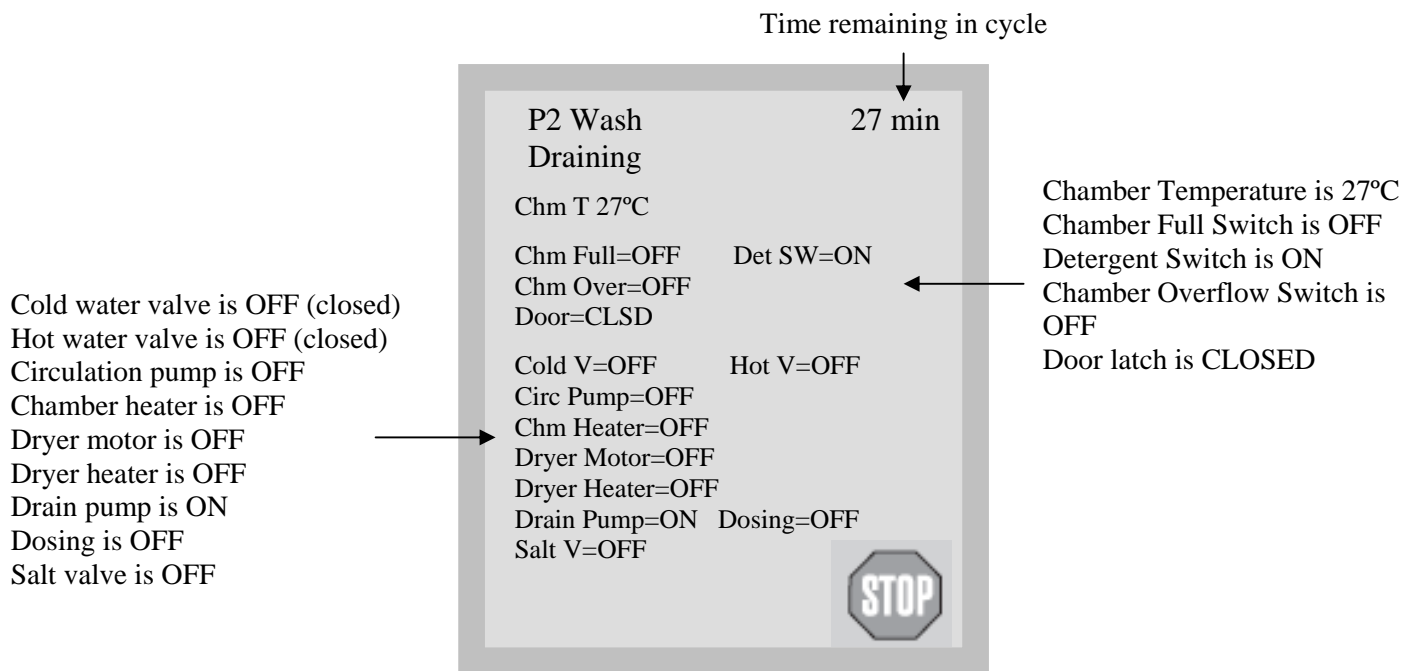
Up arrow pressed, next device. Down arrow pressed, previous device. On button pressed, set device On. Off button pressed, set device Off. Press the back arrow to return to the previous menu.



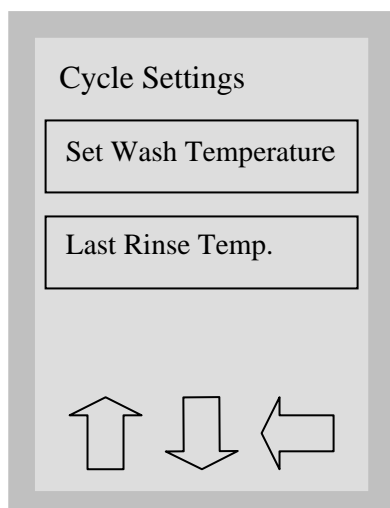
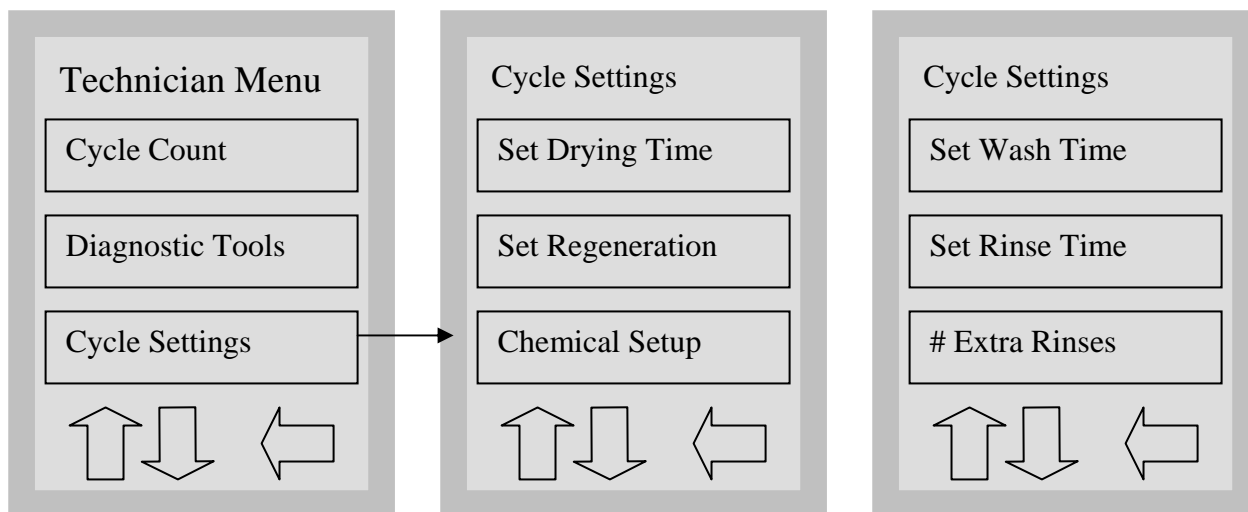
Use the up and down arrows to select On or Off.

Press **default** button to select default setting.

Press the back arrow to return to the previous menu.



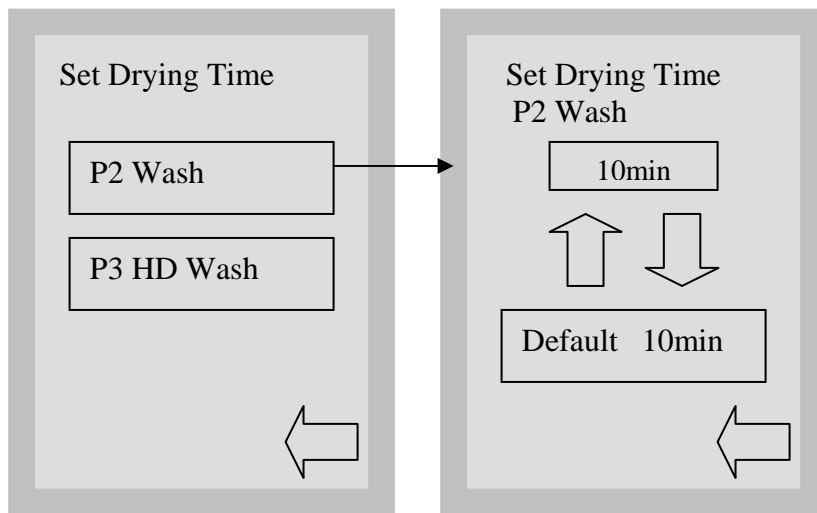
The Debug cycle should be used when troubleshooting to view the IO status of components.



Cycle Settings menu consists of eight choices.

Use up and down arrows to change to different Cycle Settings screens.

Press the back arrow to return to the Technician menu.



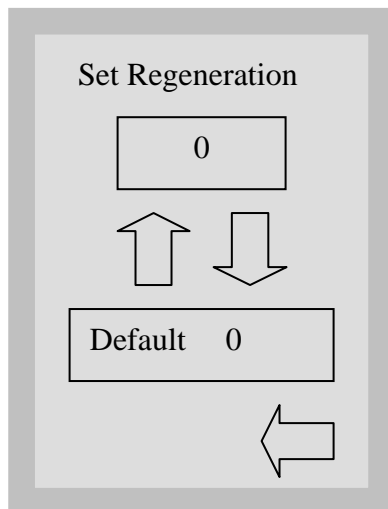
The drying time for P2 and P3 can be set independently.

Touch the cycle for which you want to set the drying time.

Use the up and down arrows to select the desired drying time.

Choose from 1 to 15 min. Press **default** if you wish to return to the factory default.

Press the back arrow to return to the Technician Menu.

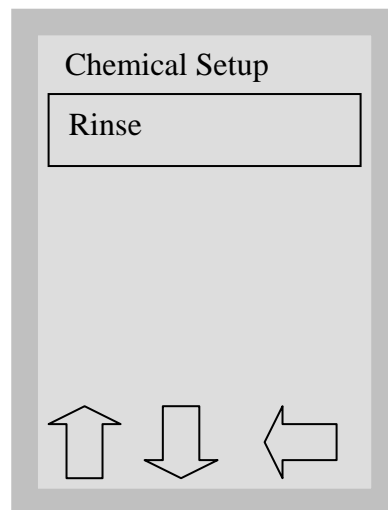
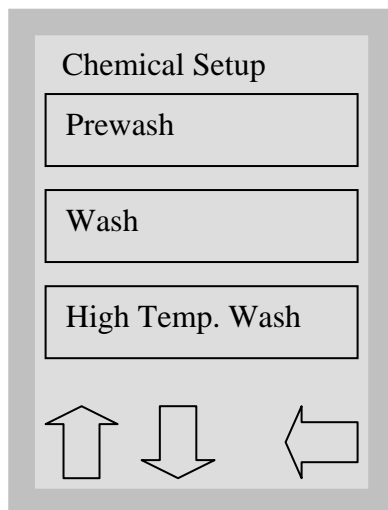


Use a Water Test Kit part #01-108305S to determine if salt is required.

Use the up and down arrows to select the desired salt regeneration setting.

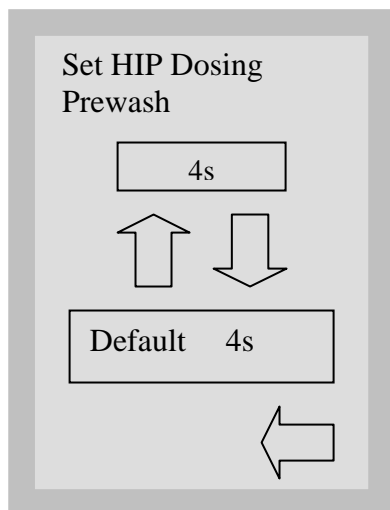
Press **default** to return to the factory default.

Press the back arrow to return to the Technician Menu.



Select cycle for dosing setting you wish to change.





Use the up and down arrows to select the desired dosing setting for the cycle selected. (Do Not change default setting unless directed by SciCan)

Press **default** to return to factory default.

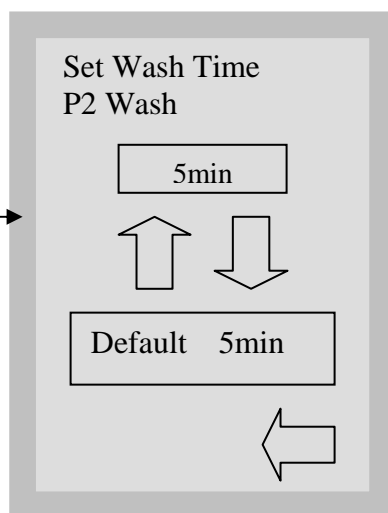
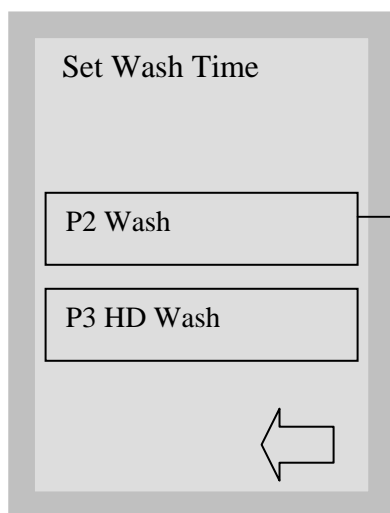
Press the back arrow to return to the Technician Menu.

Prewash dosing Min Value 0 – Max Value 15s, Default Value 4s

Wash dosing Min Value 0 – Max Value 30s, Default Value 13s

High Temp. Wash dosing Min Value 0 – Max Value 30s, Default 13s

Final rinse dosing Min Value 0 – Max Value 15s, Default Value 8s



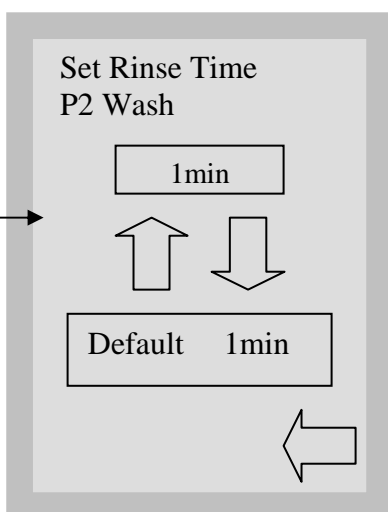
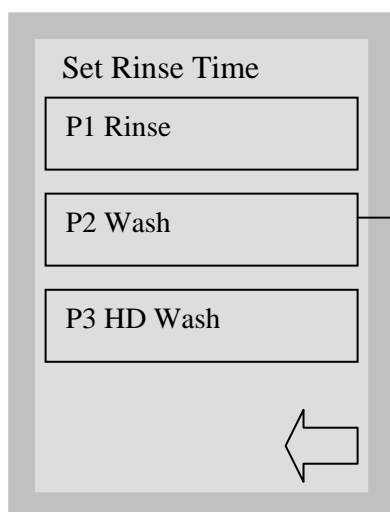
Select cycle for wash time you wish to change.

Use the up and down arrows to select the desired wash time for the cycle selected. (Do not change default setting unless directed by SciCan)

Press **default** to return to factory default.

Press the back arrow to return to the Technician Menu.

P2 & P3 wash times Min Value 2 min – Max Value 9 min  
Default Values P2 – 5 min & P3 – 9 min



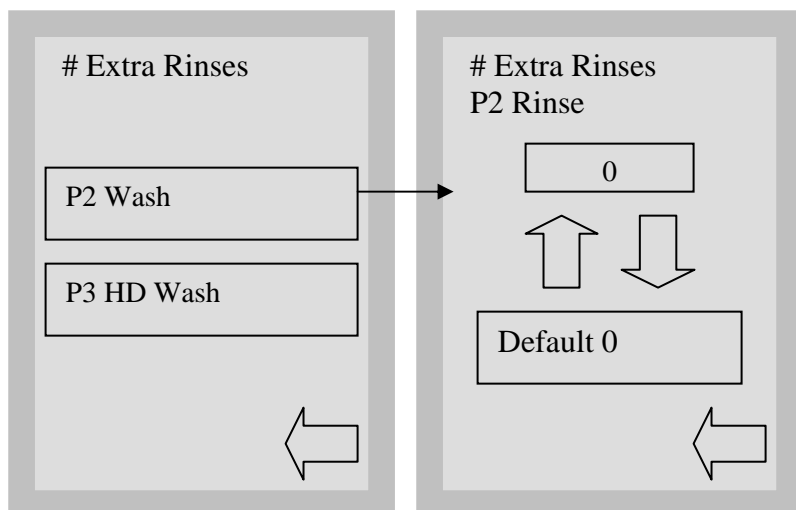
Select cycle for rinse time you wish to change.

Use the up and down arrows to select the desired rinse time for the cycle selected. (Do not change default setting unless directed by SciCan)

Press **default** to return to factory default.

Press the back arrow to return to the Technician Menu.

P1, P2 & P3 rinse times Min Value 1 min – Max Value 5 min  
Default Values P2 & P3 – 1 min



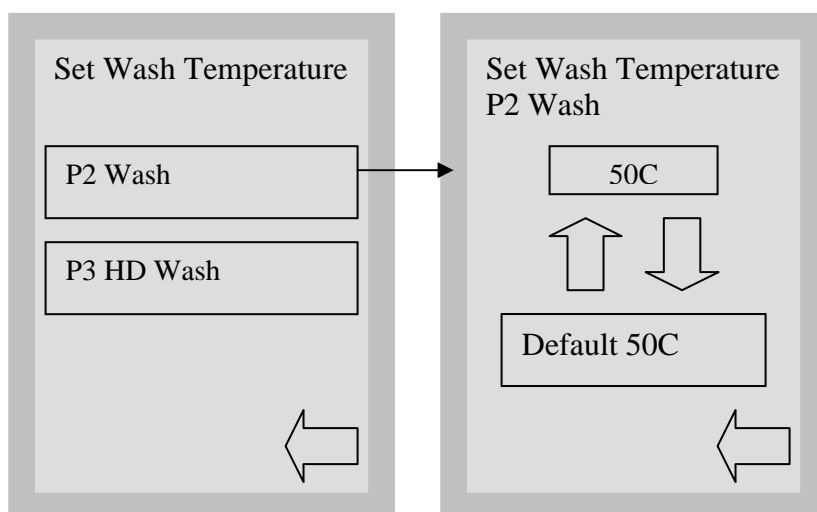
Select cycle for # extra rinses you wish to change.

Use the up and down arrows to select the desired # of extra rinses for the cycle selected. (Do not change default setting unless directed by SciCan)

Press **default** to return to factory default.

Press the back arrow to return to the Technician Menu.

P2 & P3 # extra rinses Min Value 0 – Max Value 4  
Default Value P2 & P3 – 0



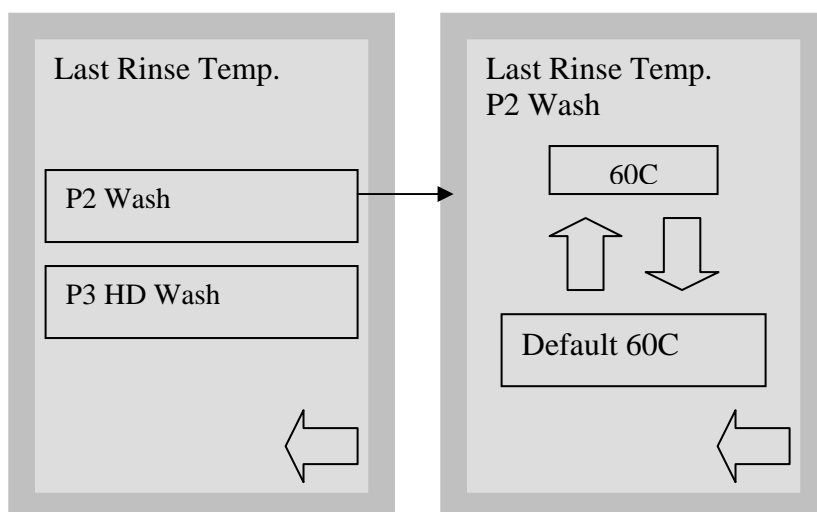
Select cycle for wash temperature you wish to change.

Use the up and down arrows to select the desired wash temperature for the cycle selected. (Do not change default setting unless directed by SciCan)

Press **default** to return to factory default.

Press the back arrow to return to the Technician Menu.

P2 & P3 wash temperature Min Value 45°C – Max Value 50°C  
Default Value P2 & P3 - 50°C



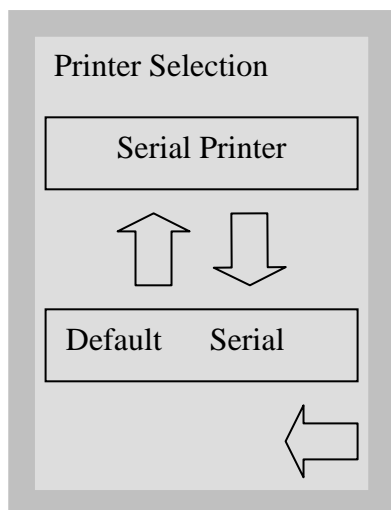
Select cycle for last rinse temperature you wish to change.

Use the up and down arrows to select the desired last rinse temperature for the cycle selected. (Do not change default setting unless directed by SciCan)

Press **default** to return to factory default.

Press the back arrow to return to the Technician Menu.

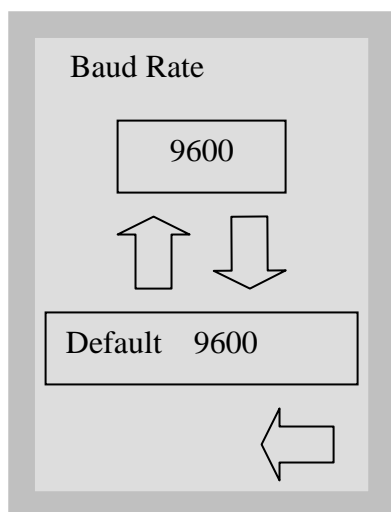
P2 & P3 last rinse temperature Min Value 45°C – Max Value 60°C  
Default Value P2 & P3 - 60°C



Press up & down arrows to select USB Flash/MSD

Default button pressed selects serial printer.

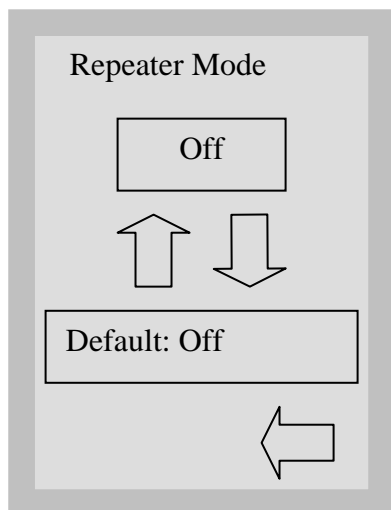
Press the back arrow to return to the previous menu.



Press up & down arrows to select baud rates for printers. Selections are 1200, 2400, 4800 & 9600.

Default button pressed selects 9600

Press the back arrow to return to the previous menu.

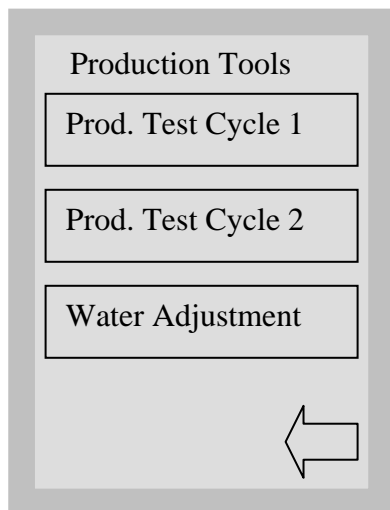


Pressing up & down arrows turns Repeater Mode ON & OFF.

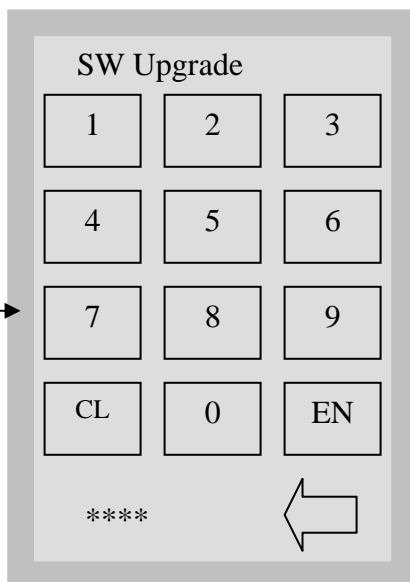
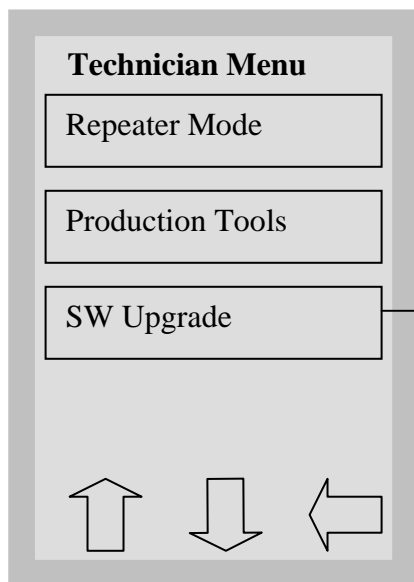
Default button pressed, sets to default value OFF.

Press the back arrow to return to the previous menu.

Repeater mode will reset to OFF when Power Switch is turned OFF or set to OFF from this screen. When wash cycle is aborted by pressing the stop button, repeater mode will stay ON.



**Production Tools are for factory use only.**

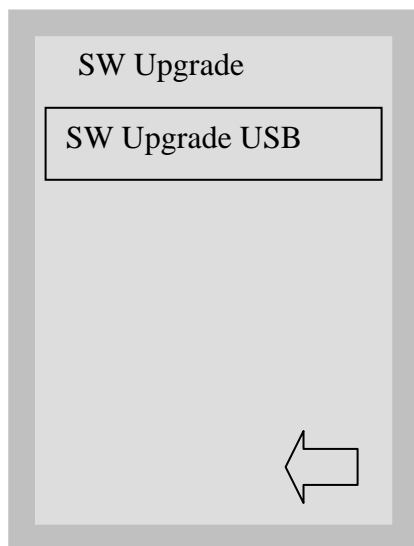


Software Upgrade select SW Upgrade  
**A Data Logger is required to upgrade software.**

To enter the Software Upgrade screen select 5849 and press EN.

Touch CL to clear the last number entered.

Press the back arrow to return to the previous menu.



SW Upgrade USB button pressed, start SW upgrade procedure. This option allows technician to upgrade software by using a USB Data Logger and files stored on a USB Memory Stick.

Press the back arrow to return to the previous menu.