## Hydrim L110w with Glass Door **Operator Instructions & All Menus Software Revision 318 SciCan HYDRIM** SH11MR318 User Menu Technician Menu **Error History** Setup Menu Cycle Count Chamber Cleaning **View IO Status** Unit No. Component Test Language Selection **Diagnostic Tools** Set Drying Time Set Debug Screen Error History **Cycle Settings** Set Regeneration Cycle Count Repeater Mode Set Drying Time Set Button Beep Factory Default Set Regeneration Screen Saver Software Upgrade **Chemical Setup** Temperature C/F Maint. Counter Reset Set Wash Time Date/Time Set Rinse Time **Printer Selection** Baud Rate # Extra Rinses LCD Contrast Set Wash Temperature Last Rinse Temp.

# **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 except the "i" to change to Main menu screen.



**HYDRIM** 

SH11MR318

#### Main menu screen

Menu Screen cycle selection.

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.

P2 Wash 	Cycle aborted screenTouch screen is not active.Unit drains for 30 seconds.Error Code appears on displayStop button will be shaded at this time.After draining timeout is complete, screen switches to cycle aborted acknowledge screen.
P2 Wash Instruments Not Processed CF 2 Chamber Filling OK	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.

P2 Wash Cycle Complete	Cycle complete screen When the cycle is complete, the program name and "Cycle Complete" is displayed. Press the Lock button to open the door and return to the main menu screen.



## Select User

The User Menu consists of four choices.



## **Chamber Cleaning**

Use Chamber Cleaning cycle as needed to remove mineral deposits from the chamber caused by hard water.





## **Cycle Count**

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





The Setup Menu consists of ten choices as shown above. Using the up and down arrows to move through the choices, touch the desired option to select it. For more detail 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. 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.



#### **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 1. See installation instructions for further information. 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.



#### **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



#### **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.







Baud Rate

Default

9600

9600

## **Printer Selection**

The user can choose a Serial Printer or USB Flash/MSD if a Data Logger is connected.



The Baud Rate can be set to 9600, 4800, 2400 or 1200 depends on the printer or data logger connected.



## **LCD** Contrast

The user can change the contrast on the display. Touch the up and down arrows to select more or less contrast on the display. The default is Touch the back arrow to return to the previous menu.

## **Technical Service Menu**

Service Menu Overview



To access this menu, turn the unit OFF and ON. There is an "i" in the lower right hand corner of the screen for about 10 seconds. Touch the "i" to get to the menu screen. Touch Technician.

Key in the password 7919 and press EN.

Within the main Technician menu there are six options.

Cycle Count: Displays the number of cycles that have been run (complete and incomplete).

Diagnostic Tools: Offers a submenu of four tools.

Error History: Allows access to the last three errors.

View IO Status: Shows the status of each component in the unit.

Chamber Full Switch – ON/OFF Salt Switch – OK Rinse aid – ON/OFF (not used with HIP Solution)) Chemical Sensor – ON/OFF Chamber Overflow – ON/OFF Chamber Pressure – ON/OFF Door SW – ON/OFF Chamber Temperature Celsius CTS (Clear to Send) – ON/OFF

Component Test: Allows individual testing of the following components. Circulation Pump M1 - ON/OFF All Devices - ON/OFF Latch L1 (Door) – ON/OFF Salt Valve – ON/OFF Dosing Pump M4 – ON/OFF Dryer Motor + Heater – ON/OFF Hot Water Valve – ON/OFF Cold Water Valve – ON/OFF Rinse Aid Valve – ON/OFF Waste Pump M2 – ON/OFF

Set debug screen: Shows IO status when cycle is running.

Cycle Settings: Offers a submenu of eight settings. Set Drying Time: P2 Wash 10 min  $\uparrow \downarrow$  (choose from 1 to 20 min) P3 Heavy Duty Wash 10 min  $\uparrow \downarrow$  (choose from 1 to 20 min) Set Regeneration: Sets water softener setting.  $1 \uparrow \downarrow$  (choose from 0 to 8) Chemical Setup: Prewash 3 sec.  $\uparrow \downarrow$  (choose from 0 to 5 sec.) Wash 9 sec. (choose from 0 to 14 sec.) High Temp. Wash 10 sec. (choose from 0 to 15 sec.) Rinse 4 sec (choose from 0 to 10 sec.) Set Wash Time: P2 Wash 5 min  $\uparrow \downarrow$  (choose from 5 to 15 min) P3 Heavy Duty Wash 9 min  $\uparrow\downarrow$  (choose from 9 to 15 min) Set Rinse Time: P2 Wash 1 min  $\uparrow\downarrow$  (choose from 1 to 10 min) P3 Heavy Duty Wash 1 min  $\uparrow \downarrow$  (choose from 1 to 10 min) # Extra Rinses P2 Wash  $0 \uparrow \downarrow$  (choose from 0 to 4 min) P3 Heavy Duty Wash  $0 \uparrow \downarrow$  (choose from 0 to 4 min) Set Wash Temperature P2 Wash  $50^{\circ}C \uparrow \downarrow$  (choose from 45 to  $80^{\circ}C$ ) P3 Heavy Duty Wash  $50^{\circ}C \uparrow \downarrow$  (choose from 45 to  $80^{\circ}C$ ) Last Rinse Temperature P2 Wash  $60^{\circ}C \uparrow \downarrow$  (choose from 30 to 93°C) P3 Heavy Duty Wash  $60^{\circ}C \uparrow \downarrow$  (choose from 30 to 93°C)

Repeater Mode: In the ON position, the unit will continuously run the selected cycle.

Factory Default: Resets all values to factory default.

Software Upgrade: To upgrade software via the SciCan Data logger.

Maint. Counter Reset: Resets the maintenance counter to 0 after 2000 cycles when the Dosing Pump Tubing is replaced.

# **Technical Service Menu**

To access the Technician Menu, proceed to the menu screen by turning the Hydrim OFF and then ON. An "i" (information) will appear for about 10 seconds at the bottom right hand corner.





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Repeater Mode

Factory Default

SW Upgrade



The Technician Menu consists of these six 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.



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. Press the back arrow to return to the previous menu.



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.





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



## Cycle Settings

Set Wash Temperature

Cycle Settings menu consists of eight choices.

Press the back arrow to return to the Technician menu.

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

Last Rinse Temp.





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. Press **default** if you wish to return to the factory default.

Press the back arrow to return to the Technician Menu.



#### Set HIP Dosing Prewash



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 Valve 5s, Default Value 3s Wash dosing Min Value 0 – Max Value 14s, Default Value 9s HD Wash dosing Min Value 0 – Max Valve 15s Default 10s Final rinse dosing Min Value 0 – Max Value 10s, Default Value 4s



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 wash time Min Value 5 min – Max Value 15 min, P3 wash time Min Value 9 – Max Value 15 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.

P2 & P3 rinse times Min Value 1 min – Max Value 10 min Default Values P2 & P3 – 1 min



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



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 80°C



P2 & P3 last rinse temperature Min Value 30°C – Max Value 93°C



Up arrow button pressed, increase value.

Down arrow button pressed, decrease value.

Default button pressed, set to default value.

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.





## SW Upgrade

SW Upgrade USB

SW Upgrade USB button pressed, starts 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.



## Maint. Counter Reset

Resets the maintenance counter to 0 after 2000 cycles when Dosing Pump Tubing is replaced.