HYDRIM® M2 G4
INSTRUMENT WASHER-DISINFECTOR

Operator’s Manual
Mode d’emploi - USB
Bedienerhandbuch - USB
Manuale d’uso - USB
Manual del operador - USB
Інструкція користувача - USB
Podręcznik obsługi - USB
Gebruikershandleiding - USB
Manualul de utilizare - USB
Betjeningsmanual - USB
Manual de utilizador - USB
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For all service and repair inquiries:
EU: +49 (0) 7561 98343 - 0
International: 1-416-445-1600
Canada: 1-800-870-7777
United States: 1-800-572-1211
Email: techservice.ca@scican.com

Manufactured by:
SciCan Ltd.
1440 Don Mills Road
Toronto ON M3B 3P9
Canada
Local: +416-445-1600
Fax: +416-445-2727

Ukraine Representative
Simesta
20-A, Melnitskava Str.
65005 Odessa
UKRAINE
Tel.: +48 (0) 705-3114, 705-3115, 705-3116

EU Representative:
SciCan GmbH
Wangener Strasse 78
88299 Leutkirch
GERMANY
Tel: +49 (0) 7561 98343 - 0
Fax: +49 (0) 7561 98343 - 699

SciCan Medtech
Alpenstrasse 14
6300 Zug, Switzerland
Tel: +41(0) 41-727-7027
Fax: +41(0) 41-727-7029
1. Introduction

Thank you for selecting the HYDRIM M2 G4 instrument washer-disinfector (WD).

The HYDRIM M2 G4 is designed in accordance with ISO15883-1 and -2, the international standard for washer-disinfectors. The HYDRIM quickly and hygienically prepares soiled instruments for sterilisation. To ensure years of safe, trouble-free service, carefully review this Operator’s Manual before operating the unit. The HYDRIM M2 G4 is suitable only for the applications listed in this manual. Using the HYDRIM for other purposes may be dangerous. The manufacturer cannot be held responsible for damage caused by improper use.

Operational, maintenance and replacement instructions must be followed for the product to perform as designed. All trademarks referred to in this manual are the property of their respective owners. Contents of this manual are subject to change without notice to reflect changes and improvements to the HYDRIM product.

The HYDRIM M2 G4 should only be installed and serviced by a qualified technician as it is an Installation Category 2 device. Before connecting the unit, the installer should check that the voltage and frequency of the electrical supply correspond with the details in the installation instructions. The unit must only be plugged into a grounded outlet. Please note that this unit is completely isolated from the electrical supply only when it is unplugged or the circuit breaker is turned OFF. This must be done before any repair work is carried out.
2. Important Information

The following symbols appear on the unit:

⚠️ Caution: Hot Surface and/or Hot Steam

⚡ Caution: Risk of electrical shock. Disconnect power supply

⚠ Caution: Potential hazard to the operator

The following symbols appear in this book:

⚠️ This situation may lead to a mechanical failure.

⚠️ This is important information.

⚠️ Caution: Potential hazard to the operator.
3. Disclaimers

Do not permit any person other than authorized personnel to supply parts for service or maintenance for your HYDRIM M2 G4. SciCan shall not be liable for incidental, special or consequential damages caused by any maintenance or services performed on the HYDRIM M2 G4 by unauthorized personnel, or for the use of equipment or parts manufactured by a third party, including lost profits, any commercial loss, economic loss, or loss arising from personal injury.

Never remove the cover of the unit and never insert objects through holes or openings in the cabinetry. Doing so may damage the unit and / or pose a hazard to the operator.

If the unit is used in a manner other than that specified, the protection provided by the equipment may be impaired.

Allow only trained and authorized personnel to operate the unit.

Cleaning solutions may irritate. Avoid contact with eyes and mouth.

Never sit, stand or lean on the open door. The unit may tip forward causing injury.

Always turn the unit **OFF** before adding softener salt, adding solutions or performing routine maintenance to the unit.

The owner shall not allow any personnel other than the trained and authorised personnel to operate the unit.

SciCan recommends leaving the unit turned ON at all times, in particular over times when no staff is in the office or when no water shut-off mechanism is installed. Leaving the unit turned ON will activate the drain pump if water is leaking into the chamber as a result of any faulty circumstance.

The HYDRIM M2 G4 uses HIP™ Cleaning Solution exclusively. The unit might not perform as described if other detergents / cleaning products are used. Furthermore, the HYDRIM M2 G4 is only validated with HIP™ Cleaning Solution. Other detergents / cleaning products may damage the unit, the instruments, cause excessive foaming, and void the warranty. Do not use solvents in this unit. Do not allow small children or unauthorised personnel access to this unit or its controls.
4. Installation Instructions

Installation

Installation should only be undertaken by a manufacturer approved technician. The use of an unapproved installer may invalidate the warranty.

During installation, all consumables should have been added to the machine as appropriate. It is important to check that this has been undertaken before starting the machine. See section 6 for care and maintenance details.

A separate pre-installation checklist should have been supplied by your dealer. Please review this prior to approving installation.

Unit overview

[Diagram showing the unit overview with labels: Cover, Upper Load Basket (Optional), Upper Trolley, Lower Load Basket (Optional), Lower Trolley, Door, USB Port, Touch Screen, On/Off Switch, Chemical Drawer, Kickplate, Ethernet Connector, Printer Connector, Power connector, Fuse Holder, Cold Water Inlet Hose, RO Water Inlet Hose, Hot Water Inlet Hose, Drain Hose, Rear of Unit]
4. Installation Instructions (con’t)

4.1 Protecting the Environment

What to do with your packaging materials

Your unit is shipped on a wooden pallet, in a corrugated cardboard box and protected by PolyPlank® blocks. Please do not add these materials to your regular domestic waste. Instead, look to reduce the amount of waste diverted to landfill by recycling these materials. Break down the cardboard box so that it can be easily handled, and contact your municipality to learn about its policy regarding the recycling of soft polyethylene engineered foam and wood pallets. Some municipalities operate packaging collection points with dedicated disposal bins to accommodate various materials.

What to do with your old unit

A decommissioned washer disinfector should not be disposed of in the regular domestic waste. Doing so is potentially harmful to both humans and the environment. It has been used in a health care setting and as such represents a minor infection control risk. It also contains several recyclable materials that can be extracted and reused in the manufacture of other products. Contact your municipality to learn about its policies and programs governing the disposal of electronic devices. Please review this prior to approving installation.
4. Installation Instructions (cont.)

4.2 Water Quality

The quality of the water being used in the HYDRIM to clean the instruments is very critical to achieving satisfactory cleaning results and to protecting the instruments and the internal parts of the unit from deterioration.

Drinking water typically contains many dissolved solids. The amount of dissolved solids greatly depends on the local natural geological conditions and they can cause stains, spots and corrosion on instruments and on the internal parts of the HYDRIM. Among others, Iron, Manganese, Chloride, and Calcium Carbonate (CaCO₃) are the dominant dissolved solids that affect the cleaning results when using a washer-disinfector.

Iron and Manganese can cause orange and brown or black stains on the instruments and on the internal parts of the HYDRIM. Chloride is usually responsible for causing stains, spotting, pitting and scaling. If the instruments or the inner parts of the HYDRIM M2 G4, such as the chamber, show any of these spots or stains, a water test may be required to determine the cause. The installation of a water treatment system may be required to reduce the amount of dissolved solids in the water and to improve the cleaning performance of the HYDRIM.

Calcium Carbonate is the principal cause of water hardness and leaves white spots or scales. The HYDRIM is equipped with a built-in water softening system that must be adjusted according to the local water hardness. Please see section 4.3 of this manual for recommended regeneration settings.

Before using the HYDRIM, SciCan recommends testing the water and recording the results for water hardness, pH value, and water conductivity for future references in the pre-installation and installation documents.

IMPORTANT: The HYDRIM’s water softening system reduces the water hardness by taking out Calcium Carbonate. If your water testing results show that your water hardness is outside the unit’s range of adjustment, or if other dissolved solids in the water cause stains or deposits on the instruments or chamber, an external water treatment system may be required.
4. Installation Instructions (cont.)

4.3 Testing water quality

The HYDRIM M2 G4 is equipped with a built-in water softening system that must be adjusted according to the local water hardness. To read local water hardness, proceed as follows:

1. The water test kit included with your HYDRIM contains three water hardness test strips in bags. Take a water sample from the location where the machine will be installed.

2. Open one of the bags, remove the test strip and dip it into the water.

3. Compare the color of the strip with the chart on the back of the bag. Determine the water hardness according to the chart on the water test kit envelope.

4. Power the unit on and select the Settings key from the main menu.

5. Go to the Setup Menu and select “Set Regeneration”.

6. Using the up and down arrows, set the water softener regeneration level according to the water hardness table in this section. If your water hardness falls between two settings, select the higher setting.

7. Unscrew the water softener container lid from the bottom right of the chamber and pour at least 1 L of water. Then fill the salt container to the top (maximum 1 kg / 2.2 lbs) with salt.

8. Close by screwing the lid tightly back into place and run a complete cycle with no instruments. An improper seal can lead to corrosion.

*Please note: The water test strip is only accurate up to 250 ppm. If the reading on the test strip exceeds 250 ppm and/or if the location in which the HYDRIM is installed has known water quality problems, having a more detailed and accurate water test done by a test lab is strongly recommended.
5. Instructions for Use

5.1 Instrument Reprocessing Recommendations

The HYDRIM M2 G4 is designed to clean and thermally disinfect (depending on the cycle chosen) general dental and medical instruments.

The disinfection level ($A_0=3000$) is intended to reduce the number of viable microorganisms on a product to a level appropriate for its intended further handling or use depending on requirements specified by regional or national authorities. Regulatory authorities may specify more stringent requirements within the territories for which they are responsible.

For non-invasive medical devices, SciCan recommends terminal sterilisation after processing in the HYDRIM M2 G4 according to local guidelines. For invasive medical devices, such as dental handpieces, terminal sterilisation must be performed after processing in the HYDRIM M2 G4.

Prior to placing instruments in the HYDRIM and using the optional handpiece adaptor, consult the instrument manufacturer’s reprocessing instructions for suitabability and cleaning in a thermal-disinfector. If in doubt, seek the advice of the instrument manufacturer.

Examples of medical and dental instruments suitable for cleaning and disinfecting in the HYDRIM M2 G4 include:

- Stainless steel scalers, spatulas and hemostats.
- Stainless steel retractors, needle holders, skin hooks, tissue forceps, scissors, curettes, and other stainless steel instruments free of deep cavities.

For best results, instruments processed in the HYDRIM M2 G4 should have the following properties:

- Heat resistance to a temperature of up to 96°C
- Corrosion resistance in the presence of heat and alkalinity.
- Suited for rinse techniques

- Microkeratomes, phaco tubing, fiberoptics and electrical equipment should not be processed in the HYDRIM.
- Nickel-plated instruments, or instruments containing aluminum or colour anodized aluminum as well as single use instruments are not suited for processing in the HYDRIM.
- HIP™ (HYDRIM Cleaning Solution with Instrument Protection) has been carefully formulated to provide outstanding material compatibility with a wide range of metals and coatings. However, some manufacturers’ instruments or instrument coatings may not be compatible.
- Please consult the instrument manufacturer for their recommended cleaning procedures.
- In general, it is not recommended to process carbon steel and chrome-plated instruments in the HYDRIM.
- When processing small or light objects in the HYDRIM use the basket with lid (SciCan part number 01-108294).
- Do not put dental burs in the HYDRIM.
- Only the outer surfaces of dental handpieces can be cleaned in the HYDRIM M2 G4 with the handpiece holder (9 handpieces, pn 01-113113S or 21 Handpieces, pn 01-113112S).
- Set-able materials, such as cements, amalgam, and composites need to be removed from the instruments after use at chairside. The HYDRIM will not be able to clean them off the instruments.
5. Instructions for Use (cont.)

5.2 Hints and tips to get best results from your HYDRIM M2 G4:

• Remove all cement, composite material and amalgam from instruments chairside prior to processing in the HYDRIM.

• Use only accessories, such as baskets, cassettes, trolleys and racks to hold instruments that are designed for the HYDRIM M2 G4.

• Use accessories for their intended purpose only. For example, do not place hinged instruments in cassettes but use the hinged instrument rack instead.

• Disassemble instruments if possible.

• Avoid overlapping instruments. Each instrument must be kept separately.

• All instruments must be placed in the instrument washer-disinfector in such a way to allow good rinsing of all surfaces. Any surface that is shielded from water and detergent cannot be cleaned.

• Open hinged instruments widely when placed in baskets or hinged instrument rack (PN 01-110409S). Closed hinged instruments cannot be cleaned.

• Place hollow lumens (suction tubes) and other hollow instruments in the rack for vertical instruments (PN 01-110411S). Do not place hollow lumens (suction tubes) or hollow instruments horizontally on a basket or in a cassette and ensure that water can flow unrestricted in and out of the instrument.

• Place trays and other concave shaped items at an angle to ensure water can run off surfaces easily.

• Do not overload the HYDRIM machine.

• Verify the HYDRIM Machine setup
  – Ensure that the washer spray arms are free of any blockage.
  – Ensure that the mesh filters in the chamber drain are free from debris.

• For achieving best cleaning results, instruments should be processed in the HYDRIM as soon as possible. If immediate cleaning is not possible, it is recommended to process the instruments using the P1 Rinse and Hold program immediately after use on the patient.

• Inspect visually instruments for cleanliness and integrity (corrosion, material changes) after cleaning and repair or replace instruments if necessary.
5. Instructions for Use (cont.)

5.3 HYDRIM M2 G4 Cycle Description Chart

<table>
<thead>
<tr>
<th>Cycle</th>
<th>Prewash</th>
<th>Wash</th>
<th>Intermediate Rinse</th>
<th>Rinse</th>
<th>Dry</th>
<th>Total Time** w/o Drying</th>
<th>Water Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P0 – Machine Cleaning Cycle</strong>&lt;br&gt;No initial draining.</td>
<td>&lt;30°C (cold) 3-10 minutes (default 3 minutes)</td>
<td>N/A</td>
<td>N/A</td>
<td>&lt;30°C (cold) 2 minutes</td>
<td>N/A</td>
<td>6 minutes</td>
<td>16 L</td>
</tr>
<tr>
<td><strong>P1 – Rinse and Hold Cycle</strong>&lt;br&gt;Use to prevent soil from drying on instruments when they will not be washed within one hour.</td>
<td>&lt;30°C (cold) 3-10 minutes (default 3 minutes)</td>
<td>N/A</td>
<td>N/A</td>
<td>60°C 1 minute</td>
<td>N/A</td>
<td>16 minutes</td>
<td>16 L</td>
</tr>
<tr>
<td><strong>P3 – Heavy Duty Cycle</strong>&lt;br&gt;Use for heavily soiled instruments and cassettes.</td>
<td>&lt;30°C (cold) 3-10 minutes (default 3 minutes)</td>
<td>50°C 5-15 minutes (default 9 minutes)</td>
<td>&lt;60°C/140°F 1 minute</td>
<td>90°C 5 minutes</td>
<td>20-60 minutes (default 30 minutes)</td>
<td>60 minutes</td>
<td>40L***</td>
</tr>
</tbody>
</table>

* This is not a wash cycle. Always run a wash cycle following the rinse & hold cycle.
** Cycle times depend on the temperature and pressure of incoming water.
*** Water consumption includes drying phase

The P3 disinfection temperature reflects the minimum guaranteed temperature at any time during disinfection anywhere in the wash chamber. However, the disinfection temperature is set to be around 93°C, with an upper switch point of the heater at 94°C and a lower switch point of 92°C.

The HYDRIM M2 G4 incorporates a unique design where the air from the dryer motor is pushed through the wash arms. The wash arms turn during the second high-speed drying phase. This unique feature allows the HYDRIM M2 G4 to eliminate the risk of water drops falling onto the dried instruments during unloading.

**NOTE:** ISO 15883-1 describes the time-temperature relationships for moist heat disinfection as follows:

“For a moist heat disinfection process, a particular time at a particular temperature can be expected to have a predictable lethal effect against a standardized population of organisms. Definition of moist heat disinfection process may be achieved by means of the A₀ method, which uses knowledge of the lethality of the particular process at different temperatures to assess the overall lethality of the cycle and express this as the equivalent exposure time to a specified temperature.”
5.4 Recommended load configurations.

The intended purpose of the M2 G4 washer-disinfector is a clinical general instrument washer-disinfector, predominantly aimed at the general dental and medical markets. There will be many combinations of instruments that can be processed in the M2 G4 unit depending on:

- Size of practice
- Types of procedures undertaken at any one time
- Specialization of practice
- Instrument management protocols

It is difficult to illustrate all the possible combinations available, so below we have given examples of the most common typical basket loadings, the recommended loading of general instruments, and the worst case loading, for which the unit has been type tested and validated.

Handle all instruments with care to prevent personal injuries through punctures for example. Follow local health and safety regulations for preventing accidents, bodily harm and personal injuries.

5.4.1 Baskets and Accessories

Observe the instrument manufacturer’s recommendations for cleaning and care. When loading the unit, arrange loose instruments so that they do not touch one another. Instruments with concave surfaces or cavities should be placed so that water can drain freely.

Sample loading:

**Example 1** – solid straight & hinged instruments

For example: scalpels, scissors, curettes, excavators, pluggers, etc.

**Example 2** – solid straight instruments

For example: pliers, knives, explorers, scalers, etc.
5. Instructions for Use (cont.)

**Example 3** – hinged instruments, solid instruments and open hollow instruments

For example: Scalers, curettes, dental elevators, single part mirrors, suction tubes etc.

**Example 4** – small & disassembled instruments

For example: Two piece mirrors, scalpel knife handles, etc.

**Example 5** – instrument sets in cassettes – full load

For example: Bone files, pluggers, curettes, excavators, etc.

**Example 6** – instrument sets in cassettes – half load

For example: Bone files, pluggers, curettes, excavators, etc.

**Example 7** – instrument trays

**Example 8** – handpiece adaptor/handpiece holder

For example: dental handpieces, turbines, hollow lumens, etc.

Handpiece holder washes or thermally disinfects the outside of the handpieces. The handpiece adaptor cleans the inside of the lumens.
5. Instructions for Use (cont.)

5.4.2 Type tested loads.

Shown below are two load configurations used for the type testing of the M2 G4 unit. The M2 G4 has been validated for the following reference loads. These two loads represent commonly used loads in a dental office, although many other load combinations are possible. In cases where loads differ from the reference loads an initial on-site validation by the installation technician may be required and is recommended. If one of these factory validated loads is used by the dental office and this can be documented by pictures and/or appropriate lists, an initial onsite validation may not be necessary.

Type test load 1

Hinged instruments, solid instruments and open, hollow instruments.

- 2 x 01-110411S - vertical instrument rack
- 2 x 01-108232S - long basket

Type test load 2

Instrument sets in cassettes - full load

- Top trolley - 1 x 01-109963S - cassette rack, full size + 5 x 8x11x1 instrument cassettes
- Bottom trolley - 1 x 01-109963S - cassette rack, full size + 5 x 8x11x1 instrument cassettes
5.4.3 The following optional items are available for the HYDRIM:

- Rack for five 8” x 11” (203 x 280 mm) cassettes, for upper or lower trolley. Full size (1/1). Part-number 01-109963S
- Basket with lid. Quarter size (1/4). Part-number 01-109966S
- Rack for five medium size cassettes, for upper or lower trolley. Half-size (1/2). Part-number 01-109964S
- Hygiene basket for loose instruments. Quarter size (1/4). Part-number 01-109967S
- Rack for four 11” x 14” (280 x 368 mm) cassettes, for upper or lower trolley. Full size (1/1). Part-number 01-109965S
- Statim 5000 basket. Part-number 01-107241
- Hinged instrument rack. Part-number 01-110409S
- Long basket. Part-number 01-108232
- Statim 2000 basket. Part-number 01-107240
- Rack for half trays. Part-number 01-110412S
- Rack for vertical instruments. Part-number 01-110411S
- Handpiece / suction tube adapter rack. Part-number 01-114405S
- Full basket. Part-number 01-111958
- Handpiece holder 9 handpieces Part-number 01-113113S
- 21 handpieces Part-number 01-113112S
5. Instructions for Use (cont.)

5.5 HYDRIM M2 G4 Touchscreen overview

- Programs
- Unlock door
- Settings
- Network connectivity (green when active)
- USB status (green when active)
- Water softener, detergent level, and door status
5. Instructions for Use (cont.)

5.6 Set up menu overview

User
- P0 Cleaning
- Set Drying Time
- Set Wash Time
- Cycle Count
- Process Enforced
- User

Technician
- Language
- Country
- Date/Time
- Unit No.
- Network Setup
- Reset Drying Counter
- Reset LCS Counter
- Screen Saver
- Temperature C/F
- Set Button Beep
- Beep Volume
- Set Printer
- Baud Rate
- Set EOL CR/LF
- Set Regeneration
- LCD Contrast
- Theme
- Remote Screen
- Instructions
- Instructions Delay
- Remote Access
- Prepare for Shipping

Setup
- Hydrom M2 G4
  SN: 148321400
  Model: M2-WG-D03-G4
  SN: 000104A0000
  Cycle Count 98
5. Instructions for Use (cont.)

5.7 Setting the language

The messages displayed by your HYDRIM can be presented in a number of different languages. To change the current language, follow these steps:

1. Scroll to **Language** and select.
2. From the **LANGUAGE** screen, press ▼ to scroll through the list of languages. When you have found the desired language, press ▷ to save your selection and return to the Setup menu.

5.8 Setting the country

1. Scroll to **Country** and select.
2. Using the keypad, type the name of the country and press **EN** to select. Press ▷ to save and return to the Setup menu.

5.9 Setting the time

1. Scroll to **Date / Time** and select **TIME**.
2. From the **TIME** screen, use the keypad to set the time. Press **EN** to save and ▷ to return to the Setup menu.

**NOTE:** If the HYDRIM is connected to a network, it is important to also enter the correct Time Zone. Enter the Time submenu, select Time Zone and scroll and select your local time zone.

3. To change your unit to display 12-hour time format (24-hour time format is the default setting), go to the Setup menu and use ▲ ▼ to scroll to TIME 12/24, select it and toggle to 12. Press ▷ to save and return to the Setup menu.

4. To activate daylight savings time (DST), go to the Setup menu and use ▲ ▼ to scroll to DST ON/OFF and select. Use ▲ ▼ to toggle DST ON or OFF and press the ▷ to save and return to the Setup menu.
5. Instructions for Use (cont.)

5.10 Setting the date

1.  

2. Scroll to **Date / Time** and select DATE.

3. From the DATE screen, use the keypad to set the date. Press **EN** to save and **** to return to the Setup menu.

4. To change the format in which the date appears, return to the Setup menu and use **** to scroll to DATE FORMAT. Select it, and follow the prompts to have the date displayed in the desired format. Press **** to save and return to the Setup menu.

5.11 Assigning unit identifier number

1.  

2. Scroll to **Unit No** and select.

3. Using the keypad, select a maximum of 3 digits to be used as the unit’s identifier number. Press **EN** to save and **** to return to the Setup menu.

5.12 Resetting the drying counter

The drying counter must be reset when the HEPA filter is changed. To reset the drying counter, follow these steps:

1.  

2. Scroll to **Reset Drying Counter** and select.

3. Select Default 0 to reset.

5.13 Adjusting the screensaver delay

To change the length of time before the screensaver is activated, follow these steps:

1.  

2. Scroll to **Screen** and select.

3. Use **** to scroll through your time options. When you have found the amount of time you require, press it. Press **** to save and return to the Setup menu.
5.14 Adjusting the temperature display

1. Scroll to Temperature C/F and select.
2. Use to choose between having information displayed in degrees Celsius or Fahrenheit. Press to save and return to the Setup menu.

5.15 Turning the button sound ON or OFF

The HYDRIM is preset to beep when a button is pressed. If you would like to turn the button sound off, follow these steps:

**NOTE:** Turning OFF the button sound does NOT turn off other alarms and cycle notification beeps.

1. Scroll to Beep ON/OFF and select.
2. Use to scroll through your ON or OFF options and select it by pressing it. Press to save and move back to the Setup menu.

5.16 Adjusting the button beep volume

If you would like to adjust the beep volume, follow these steps:

1. Scroll to Beep Volume and select.
2. Use to scroll through the volume settings. Select the one you want by pressing it. Press to save and move back to the Setup menu.
5. Instructions for Use (cont.)

5.17 Adjusting the salt regeneration
Salt regeneration should be set according to the local water hardness. See section 4.3 Testing Water Quality for instructions on determining correct settings. To set salt regeneration, follow these steps:

1. Scroll to [Set Regeneration] and select.
2. Use [ ] to change the value. The default setting is 1. Press [ ] to save and return to the Setup menu.

5.18 Adjusting the screen contrast
The touchscreen is calibrated for the lighting condition of most sterilization centers. Should you need to adjust the contrast for your office, follow these steps:

1. Scroll to [LCD-Contrast] and select.
2. Use [ ] to scroll through your contrast options. When you have found the contrast you require, press it. Press [ ] to save and return to the Setup menu.

5.19 Changing the touchscreen display themes
The touchscreen themes (i.e. icons and background colours) can be changed to one of the preset options. To change themes follow these steps:

1. Scroll to [Theme] and select.
2. In the [Change Theme] screen, use [ ] to scroll through your available options. As you scroll, each theme will display on the touchscreen. Press [ ] to select your theme and return to the Setup menu.
5.20 Creating a User Name

Up to four unique User Names can be created. To assign a User Name follow these steps:

1. Scroll to **User** and select.
2. To assign a user name, select **User Name** and use the alphabetic keypad to enter a name (up to 12 characters) and press **EN** to save.

5.21 Creating a User PIN

From the User PIN screen, you can assign up to four PINs. To assign a PIN, follow these steps:

1. Scroll to **User** and select.
2. To assign a user PIN, select **User PIN** and use the numeric keypad to enter a number (up to 4 digits) and select **EN** to save and **** to move to the confirmation screen.
3. If all of the information presented in the confirmation screen is correct, press OK to be returned to the User PIN screen. To make a correction, select the User PIN you want to change and repeat the process described above.
5.22 Setting up process enforced usage

When process enforced usage is activated, users are required to enter a PIN at the end of a cycle. For process enforced usage to function, User IDs and PINs must first be assigned. To set up User ID and PINs, refer to sections 5.20 and 5.21 on creating a user name and PIN. To activate process enforced usage, follow these steps:

1. Scroll to (Process Enforced) and select.
2. Use to toggle process enforced function ON or OFF. Press to save your selection and return to the Setup menu.

NOTE: Any user can stop a cycle even with process enforced usage ON. However, the cycle data will record that an unauthorized user has stopped the cycle.

5.23 Connecting to a network

The HYDR/M M2 G4 has a 10/100Base-T Ethernet port located at the back of the unit. To connect your HYDR/M to a network using a router, follow these steps:

1. Connect your network cable to the Ethernet port at the back of the unit. If your office uses a router, the router should automatically assign the unit an IP address. A red X on the network icon means the unit is not connected. A yellow check mark means the unit has an IP address but is not connected to the Internet and cannot send emails. A green check mark means the Internet connection is set up properly and the unit can send out emails.

NOTE: In some circumstances, where you do not have a router, for example when using Windows Network Sharing, you may have to assign a dedicated or ‘static’ IP address. To assign a static IP address, contact your local network administrator.

2. From the main screen, press the Network icon. The Network screen displays information about your HYDR/M’s connectivity, including its IP address.
5. Instructions for Use (cont.)

3. Type the IP address displayed on the touchscreen into the browser of any web enabled device to access your unit’s web portal. When the Network icon is active (for example when sending email) it will turn green.

**NOTE:** Use QR code if connecting to a mobile device.

**NOTE:** Connection time will vary depending on your network speed, and making an initial connection can take longer.

5.24 Connecting to a wireless network

HYDR/IM models offer Wireless capability for connecting units to the G4 network, adding flexibility to the Network Cable connection that is also available with HYDR/IM M2 G4 units. HYDR/IM M2 G4 WiFi offers a simple set-up and secure connection to the G4 network.

1. From the main screen, press the Network Icon.

2. Select WiFi, choose your network and enter your password.

Note: Your connection preference can be changed at any time.
5.25 Running a cycle
Before using your HYDRIM, check that the water supply is on and that the HIP™ cleaning solution bag is correctly installed and attached, then follow these steps:

1. Power unit on.

2. Touch the screen to begin.

3. Press UNLOCK if required.

4. Load instruments into the baskets or cassettes, place them in the machine and close the door.

5. Select the desired cycle.
   (Use a heavy duty cycle for cassettes, hinged instruments or heavily soiled instruments.)

6. Press START.

7. The cycle will begin.
   The cycle will start by draining the unit. The bar on the screen indicates the progression of the cycle. The stage within the cycle is shown beneath the bar (e.g. 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.

8. The cycle is complete.
   When the cycle is complete, the program name and “Cycle Complete” is displayed, and the unit beeps three times. Press “OK” to open the door. Use gloves to unload the instruments. After all cycles, exercise caution as the instruments, trolley, baskets and cassettes may be hot. Inspect the instruments for debris prior to packaging / sterilizing.
5. Instructions for Use (cont.)

5.26 Interrupting / aborting a cycle

The door of the HYDRIM is locked during the cycle. If the STOP button is pressed, the cycle is aborted and cannot be re-started. The message “Draining. Please wait” will appear. The unit will drain. Then the message “Instruments not processed” will appear. Press OK. Open the door by pressing . Use gloves if handling the instruments. Exercise caution as instruments, trolley, baskets and cassettes may be hot. The cycle must be repeated to ensure that instruments are properly processed.

NOTE: If the drying phase of the cycle is interrupted, the critical parts of the cycle are complete and the message displaying the program name and “Cycle Complete. Drying interrupted” will appear.

5.27 Additional user and setup menu functions

To access the user or setup menus, follow these steps:

Chamber cleaning

This cycle is used to periodically remove hardwater deposits from the chamber walls and racks. Pour 1.0 litres of vinegar into the chamber before starting the cycle. Touch “cleaning.” A cleaning cycle, similar to a normal wash cycle, will run. Failure to clean chamber can promote corrosion.
5. Instructions for Use (cont.)

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.

Instructions

Users can access a database of pictorial instructions on how to perform routine maintenance such as installing the cleaning solution.

5.28 Opening the Door in Case of Power Failure

If there is a power failure, ensure the machine is isolated from the main power supply. Then remove the kickplate of the HYDRIM. Remove the screw with a screwdriver and lift the kickplate up and toward you. Locate the ring and pull it to open the door. Exercise caution! There may be fluid remaining in the unit and the instruments may be hot. Instruments that have not completed the cycle should not be used and should be reprocessed. When replacing the kickplate, ensure that the grounding wire is attached.
6. Storing and Retrieving Cycle Information

The HYDRIM M2 G4 has an internal Data Logger capable of storing all the data on every cycle, whether successful or incomplete, for the lifetime of the unit. You can access this information through the touchscreen, through the web portal or by using a USB storage device.

6.1 Retrieving cycle information using the touchscreen

1. From the main menu, press the USB icon.

2. The unit will record up to the last five successful cycles and the last five incomplete cycles.

   If you select a cycle from the list, it will display cycle information in a format similar to how it would be printed.

   ![Image showing cycle information on touchscreen]

3. Use the arrow keys to scroll through and read.

   **NOTE:** Regardless of whether you have a USB storage device attached to the unit or not, you can always see the last five successful cycles and the last five incomplete cycles.

   Use the HYDRIM M2 G4 web portal to access all the cycle information stored on your HYDRIM from your computer. To connect your HYDRIM see section 5.23 Connecting to a Network.
6. Storing and Retrieving Cycle Information

6.2 Retrieving cycle information using the USB data backup

The USB storage device can be used to transfer cycle information stored in the unit to a computer. Best practice suggests this should be done once a week. To transfer data using the USB port, follow these steps:

1. Plug the USB storage device into the USB port.

2. The HYDRIM keeps track of what data has already been transferred to the USB storage device and will automatically load only new data. Data stored in the internal memory of the HYDRIM can be copied once only. Access to previously transferred information can be made from the web portal.

3. When the activity light on your USB storage device stops blinking or the USB icon on the LCD turns from a flashing green to a solid grey, remove the USB storage device and transfer the information to your computer.

**NOTE:** If you select the USB storage device icon from the main menu, you will only be able to view the last five complete cycles and the last five incomplete cycles. To view all the cycles stored on the USB storage device, you must use your computer.

**NOTE:** If you lose your USB storage device and would like to transfer your unit’s cycle history to a new device, follow these steps:

1. Plug the new USB storage device into the USB port.

2. Select the USB icon.

3. From the cycle information screen, select the USB icon again.

4. Select Copy and the unit will copy all cycle information to the USB storage device.
6. Storing and Retrieving Cycle Information

6.3 Printer / Data Logger Setup

The HYDRI/M M2 G4 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 HYDRI/M. To add or change a printer or SciCan Data Logger, follow these steps:

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

<table>
<thead>
<tr>
<th>Printer Model</th>
<th>Serial Port Baud Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epson TM-U220D (C31C515603)</td>
<td>9600</td>
</tr>
<tr>
<td>Citizen IDP-3110-40 RF 230B</td>
<td>9600</td>
</tr>
<tr>
<td>Star Micro SP212FD42-230</td>
<td>9600</td>
</tr>
<tr>
<td>Star Micro SP216FD42-230</td>
<td>9600</td>
</tr>
<tr>
<td>Star Micro SP512MD42-R</td>
<td>9600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SciCan Data Logger</th>
<th>Serial Port Baud Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Mass Storage Device</td>
<td>9600</td>
</tr>
</tbody>
</table>
7. Care and Maintenance

7.1 The HIP™ Cleaning Solution


HIP™ solution is used in dilute form as a detergent for the cleaning of surgical instruments in the HYDRIM range of washers and washer disinfectors.

It is a colourless and almost odourless liquid which is completely soluble in water.

The pH range is between 9.3 – 9.8 and the solution is therefore mildly alkaline. It is therefore advised that certain precautionary measures are observed when handling during the loading of the solution into the machine, and when removing and disposing of the empty container.

**Recommended precautionary measures with regard to safe handling of HIP™ solution.**

- Always wear undamaged gloves made of Natural or butyl rubber, nitrile, or neoprene. (Surgical gloves are ideal).
- Always wear eye protection.
- Protect exposed skin on arms.
- If solution is spilled on clothing, remove the item of clothing and treat the affected area of skin in the contact area in accordance with the Material Safety Data Sheet requirements, (available on SciCan’s website: http://www.scican.com)
- Use good industrial hygiene practices in handling this material. When handling, do not eat or drink.
- After handling the product, remove and dispose of gloves and wash hands prior to removing eye protection.
- Do not use personal protective equipment used for clinical activities when handling HIP™ products.
- Always ensure that personal protective equipment, if contaminated with HIP™ solution, is cleaned, or disposed of as appropriate.

For comprehensive data on HIP™ solution, and for your COSHH / OSHA records, please visit SciCan.com to view or download a PDF of the Material Safety Data Sheet.
7. Care and Maintenance

7.2 Replacing the HIP™ cleaning solution

Only replace the cleaning solution with HIP™ cleaning solution, which is used in dilute form as a detergent for the cleaning of surgical instruments in the HYDRIM washer.

It is a colourless and almost odourless liquid that is completely soluble in water. Nonetheless, some precautions must be taken to safely handle this chemical. For more information, see section 7.1, the HIP™ cleaning solution.

NOTE: To avoid spillage, replace the solution container only when the message appears and be sure to wear gloves.

When a red X appears on the water softener/detergent icon. Press on the icon to determine if the problem is with the water softener or cleaning solution level. If the cleaning solution must be replaced, a red X will appear next to it.

To replace the cleaning solution, follow these steps:

7.2.1 Replacing the HIP™ Cleaning Solution

The HYDRIM M2 G4 uses a 3.8L / 1 US gallon container of HIP™ Cleaning Solution (Part number CS-HIPL). Only use the recommended cleaning solution because the HYDRIM was tested and validated using solely HIP™. Also, read the MSDS before handling HIP™ for the first time.

To order additional HIP™ Cleaning Solution, contact your local dealer. When the message “no detergent” appears on the screen, the cleaning solution container is empty and is in need of changing. To avoid spillage, replace the solution container only when the message appears and be sure to wear gloves.

1. Open the cleaning solution door (see picture 1 below).
2. Pull out the empty solution container and rotate backwards into the upright position (with the connector at the top).
3. Disconnect the cleaning solution connector by unscrewing anti-clockwise (see picture 2 on next page).
4. Remove and dispose of/recycle the empty container as appropriate and in accordance with local guidelines.
7. Care and Maintenance

5. If appropriate, remove any dried chemical by immersing the connector in a cup of water.
6. Place the new container of solution on the solution door (see picture 3 below).
7. Remove the tear-off portion of the outer carton. (See picture 4 below).
8. Pull out the internal chemical bag nozzle and secure it in the cutout (see picture 5a). Remove the cap.
9. Connect the cleaning solution connector to the new solution container by screwing clockwise until it stops rotating (see picture 5b). Caution – avoid cross threading the connector as damage may occur and the joint may leak.
10. Insert the new solution container by rotating forwards into the correct location in the solution door (see picture 6).
11. Close the cleaning solution door.
12. Press OK on the touch screen. The machine display will indicate “Priming. Please wait”.
13. When the cycle selection menu appears, priming is complete and the machine is ready for use.
14. Proceed with the next cycle.

To prime the cleaning solution dosing pump, press the water softener/detergent icon on the main screen. In the water softener/detergent screen, press the red X next to “Detergent”. The unit will prime the dosing system and a green check mark will appear in place of the red X when it is ready for use.

NOTE: The system can also be primed by simply starting a cycle and selecting “Detergent Replaced”, when prompted.
7.2.2 Refilling the Water Softener salt reservoir

When the error message “salt level low” or the water softener/detergent icon indicated by a red X appears, the salt reservoir is in need of filling. To fill the salt reservoir proceed as follows:

1. Unscrew the salt container lid.
2. Fill the salt container to the top (maximum 1 kg / 2.2 lbs.)
3. Screw the salt container lid on tightly.
4. Run a complete cycle, with no instruments.

Important notes:

If the salt container is being filled for the first time, it MUST be filled with at least 1 litre of water before adding the salt.

Only tablet salt should be used in the softening unit. Fine grained salt such as table salt should NOT be used as it could clog the unit.

The water softener salt is also available from SciCan. Please contact your local dealer.

7.3 Changing the Air Filter

When the message “Replace Air Filter” appears, the HEPA filter is in need of changing. To continue using the HYDRIM, press OK. Call for service as soon as possible. The air filter should be changed at 600 cycles.

7.4 Cleaning the HYDRIM M2 G4

To clean outer surfaces and the decal covering on the touchscreen, use a soft cloth moistened with soap and water or a surface disinfectant. Do not use harsh cleaning chemicals.

If preparing the unit for transport or storage, waste water should be removed from the sump.

Waste water in the unit may contain biological contaminants. Use a mechanical means to siphon the contents. Wear disposable rubber gloves. Dispose of absorbent material according to biological waste disposal regulations.
7. Care and Maintenance (cont.)

7.5 Filter and Wash Arm Maintenance

Filter Maintenance:
Inspect the filter in the bottom of the chamber **daily** for debris and clean if necessary. To clean, remove the filter, rinse under a tap and replace. Ensure that the filter is firmly locked into position when replaced.

Wash Arm Maintenance:
If the wash arms are not turning easily, remove them, rinse under a tap and reassemble. To remove the upper arm, unscrew the collar counterclockwise. To remove the middle or lower arm, unscrew the collar clockwise.

7.6 Annual Maintenance
If the message “Maintenance needed” appears, the annual maintenance is required. To continue using the HYDR/M, press OK. Call for service as soon as possible. The annual maintenance should be done after 365 days have elapsed since the initial installation or the last service call was performed.
The HYDRIM M2 G4 unit has been Type tested and Works tested in the factory in accordance with the requirements of EN ISO 15883-1/2. Certification confirming this is included with the machine.

To ensure that the ongoing efficacy of the machine is assured, SciCan recommends that the following periodic testing protocols are observed.

**IMPORTANT NOTES:**

- **This document outlines the minimum requirements to ensure that the equipment performs to specification. In some regions, local/national guidance documents may require additional testing and validation protocols. Please contact your dealer or local medical authorities for details.**

- **Installation, commissioning, annual servicing and re-validation MUST be undertaken by SciCan approved technicians. Failure to maintain this equipment may invalidate the results of the following testing regime.**

The recommended periodic testing protocols are as follows:

- **Commissioning/Installation testing and validation**
  - Undertaken by - **SciCan approved installation/service/test engineer.**
    - Installation qualification, operational and performance tests in accordance with SciCan installation protocol 95-113756 entitled – **“HYDRIM M2 G4 washer - disinfector installation requirements.”**
    - User training in accordance with the above.

- **Daily tests and checks.** *(see section 7a.)*
  - Undertaken by - the User.
    - door lock check
    - wash arm rotation check
    - door seal check
    - load carrier check
    - check and clean chamber filters
    - visual examination (inspection under magnification) of each load for residual soil.

- **Annual tests**
  - Undertaken by - **SciCan approved installation/service/test engineer.**
    - **IMPORTANT NOTE** – A full annual service should be undertaken before revalidation (see SciCan “Preventive Maintenance Schedule 95-113756”).
8a. User testing guidance

Door lock check

This test is to ensure that the door cannot be opened while a cycle is running or a cycle will not start with the door open. To check these features are working correctly proceed as follows: - attempt to open the door using the handle immediately after a cycle has started. **Caution - DO NOT attempt this when the wash arms are rotating and/or the water is above ambient temperature!** The door should not open.

• attempt to start a cycle while the door is open. The cycle should not start.

In the event of the failure of this check, stop using the machine immediately and call your dealer for technical service.

Wash arm rotation check.

This check can be performed by a visual check through the glass door during a cycle or a manual check of the free movement of the arms while the machine is in standby mode. If the wash arms are stiff or sluggish in operation, remove and clean the arms and check for debris. (See section 6.5).

Door seal check.

Visually check door seal for debris or wear. If seal is worn or damaged, call your dealer for technical service.

Load carrier check.

Visually check load carriers (trolleys) for wear and tear, damage and that the runners move freely over their full range.

Check and clean chamber filters.

Remove, visually check and clean as per section 7.5.

Visual examination of each load for residual soil.

Washer disinfectors are designed to ensure that the surfaces of instruments are free from debris that may compromise the sterilisation process. A visual check of the instruments processed in each load should be undertaken, under magnification, prior to sterilisation to ensure that no residual debris is present on the instrument.

If debris is still apparent, the instrument should not be considered clean and should be reprocessed through the WD again prior to sterilisation.

Note: some set-able materials such as cements and composites, if set on the instrument will not be removed in a WD or Ultrasonic cleaner. If these materials are noticed on the instrument then abrasive removal may be required.
# 9. Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Causes and Solutions</th>
</tr>
</thead>
</table>
| Instruments are not clean                                              | • Do not overload cassettes or instrument baskets.  
• Do not load too many cassettes into the HYDRIM.  
• Check filters and wash arms for debris.  
• Call service for assistance if problem cannot be resolved. |
| Touchscreen / Unit does not come on                                    | • Ensure that the power button is turned ON.  
• Ensure that the plug is properly inserted into the wall socket.  
• Call service for assistance. |
| The wash arms do not rotate                                            | • Remove the wash arms, clean and reinstall them.                                               |
| The door cannot be opened                                              | • The cycle is not complete.  
• The cycle was aborted and the unit has not completed draining yet.                           |
| Operating cycles appear to be taking too long to complete              | • The water is not hot enough. Check that the incoming hot water temperature is in the recommended range.  
• Check that the hot and cold hoses are not reversed.                                         |
| “No detergent” message comes on when there is still chemical left in the container | • Check for a kink in chemical tubing.  
• There is insufficient chemical to complete the next cycle. Replace the detergent box.     |
| Drying Performance is inadequate                                       | • Increase the drying time (user menu).  
• Change the Hepa filter.  
• Do not overload cassettes or instrument baskets.  
• Check wash arms for debris.                                                                |
| There is a “printing” message at the end of the cycle, but there is no printer or datalogger attached | • In the Setup Menu, Printer / USB setup (section 6.3) ensure that “serial” is selected.         |
| Printer does not print                                                 | • Check that the printer is ON and has paper  
• Check that printer and baud rate are set correctly (section 6.3).  
• Check that printer is plugged into both the HYDRIM and the electrical outlet.                |
### Error messages

<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF1 Water heating failure</td>
<td>The water does not reach the required temperature in the specified time</td>
<td>Call for service.</td>
</tr>
<tr>
<td>CF2 Chamber filling failure</td>
<td>The water does not fill the chamber within the specified time.</td>
<td>Check that the water hoses are not kinked. Open the water shut-off valves.</td>
</tr>
<tr>
<td>CF3 Chamber temperature reading failure</td>
<td>Faulty sensor.</td>
<td>Call for service.</td>
</tr>
<tr>
<td>CF4 Water evacuation failure</td>
<td>Water cannot drain from the unit.</td>
<td>Check that the drain hose is not kinked. Check that the filters in the bottom of the chamber are not obstructed.</td>
</tr>
<tr>
<td>CF5 Disinfection failure</td>
<td>Temperature dropped below disinfection temperature during the disinfection phase.</td>
<td>Call for service.</td>
</tr>
<tr>
<td>CF7 Cycle aborted</td>
<td>Cycle interrupted.</td>
<td>Restore power to the unit and restart the cycle</td>
</tr>
<tr>
<td>CF9 System failure</td>
<td>Software or PCB failure.</td>
<td>Call for service.</td>
</tr>
<tr>
<td>CF13 Temperature validation error</td>
<td>Second temperature sensor readings are out of limits.</td>
<td>Call for service.</td>
</tr>
<tr>
<td>CF14 Water temperature too high</td>
<td>Water in prewash stage too hot.</td>
<td>Check water connections at back of unit. Call for service.</td>
</tr>
<tr>
<td>CF15 Water reservoir overflow</td>
<td>Overflow switch triggered</td>
<td>Restart the program. Call for service.</td>
</tr>
<tr>
<td>CF16 Ambient temperature too high</td>
<td>Unit is too hot or overheated.</td>
<td>Check fans. Check ventilation space requirements as per pre-installation document (SD-356) Call for service.</td>
</tr>
<tr>
<td>CF19 Pressure sensor failure</td>
<td>Defective pressure sensor.</td>
<td>Restart program. If issue persists, call for service.</td>
</tr>
<tr>
<td>CF20 Condenser system failure</td>
<td>Unit was not able to cool down.</td>
<td>Check water hoses are not kinked. Call for service.</td>
</tr>
<tr>
<td>CF21 Dosing system failure</td>
<td>Chemical dispensing system failure.</td>
<td>Tighten detergent cap. Check for leaks. Call for service.</td>
</tr>
<tr>
<td>CF25 Vref Error</td>
<td>System Failure.</td>
<td>Call for service.</td>
</tr>
<tr>
<td>CF28 No water pressure</td>
<td>Not enough water during cycle.</td>
<td>Check water hoses are not kinked. Open water shut-off valves. Check for leaks. Call for service.</td>
</tr>
</tbody>
</table>
10. Warranty

Limited Warranty

For a period of one year, SciCan guarantees that the **HYDRIM M2 G4**, when manufactured in new and unused condition, will not fail during normal service due to defects in material and workmanship that are not due to apparent abuse, misuse, or accident. In the event of failure due to such defects during this period of time, the exclusive remedies shall be repair or replacement, at SciCan's option and without charge, of any defective part(s), provided SciCan is notified in writing within thirty(30) days of the date of such a failure and further provided that the defective part(s) are returned to SciCan prepaid.

This warranty shall be considered to be validated, if the product is accompanied by the original purchase invoice from the authorized SciCan dealer, and such invoice identifies the item by serial number and clearly states the date of purchase. No other validation is acceptable. After one year, all SciCan's warranties and other duties with respect to the quality of the product shall be conclusively presumed to have been satisfied, all liability therefore shall terminate, and no action or breach for any such warranty or duty may thereafter be commenced against SciCan.

Any express warranty not provided hereon and any implied warranty or representation as to performance, and any remedy for breach of contract which, but for this provision, might arise by implication, operation of law, custom of trade or course of dealing, including any implied warranty of merchantability or of fitness for particular purpose with respect to all and any products manufactured by SciCan is excluded and disclaimed by SciCan.

To register your product warranty with SciCan, go to Scican.com, click on the appropriate country, and then click on the Register Your Warranty tab.
## 11. Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Applicable Standards</strong></td>
<td>EN ISO 15883 parts 1 &amp; 2</td>
</tr>
<tr>
<td><strong>Height (Full height unit)</strong></td>
<td>850 mm</td>
</tr>
<tr>
<td><strong>Height (Short height unit)</strong></td>
<td>820 mm</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>598 mm</td>
</tr>
<tr>
<td><strong>Depth (Door closed)</strong></td>
<td>600 mm</td>
</tr>
<tr>
<td><strong>Depth (Door open)</strong></td>
<td>1200 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>90 kg</td>
</tr>
<tr>
<td><strong>Required clearance, top, sides and rear</strong></td>
<td>&gt;10 mm</td>
</tr>
<tr>
<td><strong>Maximum Running Noise</strong></td>
<td>&lt; 78 dB(A)</td>
</tr>
<tr>
<td><strong>Inlet water connections</strong></td>
<td>G 3/4”</td>
</tr>
<tr>
<td><strong>Inlet water pressure</strong></td>
<td>2-5 bar</td>
</tr>
<tr>
<td><strong>Drain</strong></td>
<td>3/4”</td>
</tr>
<tr>
<td><strong>Maximum water flow to drain</strong></td>
<td>47 l/min</td>
</tr>
<tr>
<td><strong>Maximum water discharge temperature to drain</strong></td>
<td>70°C</td>
</tr>
<tr>
<td><strong>Maximum water hardness</strong></td>
<td>30.3dH, 31.6 US GPG, 540 PPM</td>
</tr>
<tr>
<td><strong>Maximum water conductivity</strong></td>
<td>844 µS/cm</td>
</tr>
<tr>
<td><strong>PH range</strong></td>
<td>&gt;6.8 and &lt; 8.5</td>
</tr>
<tr>
<td><strong>Water softener salt capacity</strong></td>
<td>1.0 kg</td>
</tr>
<tr>
<td><strong>Equipment installation category</strong></td>
<td>II</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>230 – 240 vAC +/- 10%</td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>50 Hz or 60 Hz, * see serial number label for requirements specific to your unit.</td>
</tr>
<tr>
<td><strong>Rated load</strong></td>
<td>2.5 kW</td>
</tr>
<tr>
<td><strong>Circuit breaker</strong></td>
<td>13 amps</td>
</tr>
<tr>
<td><strong>Operating temperature range</strong></td>
<td>+5°C to +40°C</td>
</tr>
<tr>
<td><strong>Maximum relative humidity</strong></td>
<td>80% for temp up to 31°C 50% for temp up to 40°C</td>
</tr>
<tr>
<td><strong>Maximum operating altitude</strong></td>
<td>2000 m</td>
</tr>
<tr>
<td><strong>Equipment pollution degree</strong></td>
<td>2</td>
</tr>
<tr>
<td><strong>Maximum deviation from plane horizontal surface</strong></td>
<td>2 mm</td>
</tr>
<tr>
<td><strong>Detergent requirements:</strong></td>
<td>Single solution – Scican HIP chemical only. Not supplied with machine.</td>
</tr>
<tr>
<td><strong>Detergent consumption per cycle</strong></td>
<td>96 ml</td>
</tr>
<tr>
<td><strong>Consumption and processing temperatures</strong></td>
<td>wash: 1.2% @ 50°C</td>
</tr>
</tbody>
</table>

## 12. Serial Number Plate

When ordering supplies, spare parts or requesting service, please ensure that the information contained on the serial number plate is available (Model number, serial number etc.).

The serial number plate is located at the bottom left on the rear panel of the HYDRIM M2 G4 unit. A small label is located on the left hand side of the chemical door.
13. SciCan Software Product License

This SciCan Software Product Agreement is made as of the date of delivery ("Effective Date") to Customer of the equipment containing the SciCan Software Product (the "SciCan Equipment") by and between SciCan Ltd., 1440 Don Mills Road, 2nd Floor, Toronto, Canada, M3B 3P9 ("SciCan") and the purchaser or lessee of the SciCan Equipment and each of its end users (collectively, "Customer"). "SciCan Software Product" means all SciCan proprietary software contained in the SciCan Equipment.

This SciCan Software Product License constitutes the entire agreement ("Agreement") between SciCan and the Customer concerning Customer's use of the SciCan Software Product. No purchase order which purports to modify or supplement this Agreement will add to or vary the terms of this Agreement even if signed or initialed by SciCan.

ARTICLE 1 - INTERPRETATION

1.1 Definitions

(a) “Affiliate” will mean any affiliated entity, which Controls, is Controlled by, or is under common Control with Customer.

(b) “Confidential Information” will mean non-public, commercially sensitive information of each of the parties and, in the case of SciCan, the SciCan Software Product, Updates, Documentation, and all SciCan information which is marked as confidential or proprietary at the time of disclosure.

(c) “Control” will mean the possession, directly or indirectly, of the power to direct or cause the direction of the management and operating policies of an entity through the ownership of voting securities (at least fifty-one percent (51%) of its voting or equity securities), contract, voting trust, or otherwise.

(d) “Documentation” will mean the user manuals relating to the use of the SciCan Software Product and the SciCan Equipment delivered with the SciCan Equipment.

(e) “SciCan Licensors” will mean third parties which have granted SciCan distribution rights with respect to their software.

(f) “Updates” will mean modifications made by SciCan to the SciCan Software Product that SciCan generally makes available at no additional charge to its customers who are current subscribers for support services and who are current in payment of support services fees, if any. Updates become part of the SciCan Software Product for purposes of this Agreement.

ARTICLE 2 - LICENSE

2.1 License Grant

Subject to the terms and conditions of this Agreement, SciCan grants Customer a perpetual, fully paid, non-exclusive, and non-transferable license to use the SciCan Software Product, solely at Customer's site, solely in connection with the operation of the SciCan Equipment for Customer's internal business purposes.

ARTICLE 3 - LICENSE RESTRICTIONS

3.1 Restrictions

Except as expressly authorized herein, Customer will not engage in or permit any:

(a) copying or modification of the SciCan Software Product or Documentation;
(b) reverse engineering, decompilation, translation, disassembly, or discovery of the source code of all or any portion of the SciCan Software Product;

(c) distribution, disclosure, marketing, rental, leasing or service bureau use or transfer to any third party of the SciCan Software Product or the Documentation, except as part and parcel of the sale of the SciCan Equipment containing the SciCan Software Product;

(d) disclosure of the results of SciCan Equipment or SciCan Software Product performance benchmarks to any third party without SciCan’s prior written consent; or

(e) disclosure of any source code (if any) provided hereunder to any third party.

ARTICLE 4 - UPDATES

4.1 Updates

(a) Provided Customer has opened an account and provided all requested information to SciCan, and, if applicable, paid the associated fees for Updates, SciCan will provide Updates for the SciCan Software Product in accordance with SciCan’s Update policies and procedures of general application. Prior to discontinuing Updates for the SciCan Software Product, SciCan will provide Customer with at least six (6) months advance notice. Customer will allow SciCan to use remote access software to aid in the resolution of problems or questions. Update fees, if any, will be billed on an annual basis payable in advance.

(b) SciCan will have no obligation to provide Updates or assistance if Customer fails to make any required payment or otherwise elects to discontinue Update services. In order to reinstate or renew support services, Customer must first pay SciCan the then current annual Updates services fee and all past unpaid Updates services fees and agree that all past Updates will be loaded on the SciCan Equipment.

(c) SciCan will have no obligation to provide Updates for any (i) altered, damaged or modified SciCan Equipment or SciCan Software Product, (ii) SciCan Software Product that is not the then-current or previous sequential release, (iii) SciCan Software Product problems caused by Customer’s negligence or other causes beyond the control of SciCan, or (iv) a failure that cannot be reproduced at SciCan’s facility or via remote access to the Customer’s facility.

ARTICLE 5 - OWNERSHIP

5.1 Ownership

SciCan retains all right, title and interest in the SciCan Software Product, Updates, and Documentation and any copies thereof. Except as otherwise expressly granted in this Agreement, no license, right or interest in any SciCan trade mark, copyright, trade name or service mark is granted hereunder.

ARTICLE 6 - PATENT AND COPYRIGHT INDEMNITY

6.1 SciCan Indemnity

SciCan will defend and indemnify Customer for all costs (including reasonable attorney fees) arising from a claim that SciCan Software Product furnished and used within the scope of this Agreement infringes a registered copyright or patent provided that:

(a) Customer notifies SciCan in writing within thirty (30) days of the claim;

(b) SciCan has sole control of the defense and all related settlement negotiations, and
(c) Customer provides SciCan with the assistance, information, and authority necessary to perform the above.

Reasonable expenses incurred by Customer in providing such assistance will be reimbursed by SciCan.

6.2 Exception

SciCan will have no liability for any claim of infringement based on:

(a) use of a superseded or modified release of the SciCan Software Product (except for such alterations or modifications which have been made by SciCan or under SciCan’s direction) if such infringement would have been avoided by the use of a current unaltered release of the SciCan Software Product; or

(b) the combination, operation, or use of the SciCan Software Product with hardware, programs or data not furnished or otherwise approved by SciCan if such infringement would have been avoided by the use of the SciCan Software Product without such hardware, programs or data.

6.3 SciCan’s Obligation

In the event the SciCan Software Product is held or believed by SciCan to infringe, or Customer’s use of the SciCan Software Product is enjoined, SciCan will have the option, at its expense, to:

(a) modify the SciCan Software Product to be non-infringing; or

(b) obtain for Customer a license to continue using the SciCan Software Product; or

(c) substitute the SciCan Software Product with other software reasonably suitable to operate the SciCan Equipment; or

(d) if none of the foregoing remedies are commercially feasible, terminate the license for the infringing SciCan Software Product and refund the price of the affected SciCan Equipment, prorated over a five-year term calculated from the Effective Date.

6.4 Entire Liability for Infringement

This Article 6 states SciCan’s entire liability for infringement or misappropriation of intellectual property rights.

ARTICLE 7 - WARRANTY

7.1 Warranty

SciCan warrants that it has title to and/or the authority to grant licenses of the SciCan Software Product. Customer’s exclusive remedy with respect to breach of this provision will be pursuant to Article 6 (Patent and Copyright Indemnity).

7.2 Functionality

SciCan warrants for a period of ninety (90) days from the Effective Date that the SciCan Software Product, unless modified by Customer and provided that all Updates have been installed, will perform, in all material aspects, the functions described in the Documentation when operated on the related SciCan Equipment.

7.3 Services

SciCan reserves the right to charge Customer for services performed by SciCan in connection with reported failures which are later determined to be caused by operator error, untrained users, site electrical malfunction, software or hardware not supplied or recommended by SciCan or by alterations or additions to the SciCan Equipment or the
7.4 DISCLAIMER

THE WARRANTIES ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, MERCHANTABILITY, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE.

ARTICLE 8 - LIMITATION OF LIABILITY

EXCEPT AS PROVIDED IN Article 6 (PATENT AND COPYRIGHT INDEMNITY), SCICAN'S LIABILITY FOR DAMAGES UNDER THIS AGREEMENT WILL IN NO EVENT EXCEED THE AMOUNT PAID BY LICENSEE TO SCICAN FOR THE SCICAN EQUIPMENT IN CONNECTION WITH WHICH THE CLAIM AROSE. IN NO EVENT WILL SCICAN BE LIABLE FOR INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO LOST DATA OR LOST PROFITS, HOWEVER ARISING, EVEN IF IT HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL SCICAN LICENSORS BE LIABLE FOR ANY DIRECT, SPECIAL, INDIRECT, CONSEQUENTIAL, INCIDENTAL OR EXEMPLARY DAMAGES ARISING OUT OF THIS AGREEMENT, REGARDLESS OF THE FORM OF ACTION WHETHER BASED IN CONTRACT, TORT, OR ANY LEGAL THEORY. THE PARTIES AGREE TO THE ALLOCATION OF LIABILITY RISK WHICH IS SET FORTH IN THIS SECTION 8.1.

ARTICLE 9 - CONFIDENTIALITY

9.1 Maintain Confidentiality

By virtue of the account with SciCan that the Customer will open for purposes of registering the SciCan Equipment and obtaining Updates, SciCan will obtain and possess Confidential Information and personal information relating to the Customer. Customer information that SciCan obtains does not include local area network (“LAN”) topology or information about other devices connected to the LAN. Personal information that SciCan obtains will include the names of persons to whom emails may be sent by SciCan respecting the functioning of the SciCan Equipment and the Updates. Each of the parties acknowledges to the other that by virtue of their licensing and Update services relationship it may have access to Confidential Information of the other party. The parties agree, both during the term of this Agreement and after termination, to hold each other's Confidential Information in confidence. The SciCan Software Product shall be treated as confidential in perpetuity. The parties agree not to make each other's Confidential Information available in any form to any third party (other than those of its employees or consultants under nondisclosure obligations) or to use each other's Confidential Information for any purpose other than as contemplated by this Agreement. Each party will take commercially reasonable steps to ensure that Confidential Information is not disclosed or distributed by its employees or consultants in violation of the provisions of this Article 9. The parties agree that the terms and conditions of this Agreement are considered confidential.

9.2 Exception

Notwithstanding any provision contained in this Agreement, neither party will be required to maintain in confidence any of the following information:

(a) information which, at the time of disclosure to the receiving party, is in the public domain;
(b) information which, after disclosure, becomes part of the public domain, except by breach of this Agreement;

(c) information which was in the receiving party’s possession at the time of disclosure, and which was not acquired, directly or indirectly, from the disclosing party;

(d) information which the receiving party can demonstrate resulted from its own research and development, independent of disclosure from the disclosing party;

(e) information which the receiving party receives from third parties, provided such information was not obtained by such third parties from the disclosing party on a confidential basis; or

(f) information which is produced in compliance with applicable law or a court order, provided the other party is given reasonable notice of such law or order and an opportunity to attempt to preclude or limit such production.

ARTICLE 10 - GENERAL

10.1 Law and Venue

This Agreement will be governed and construed under the laws of the Province of Ontario and the applicable federal laws of Canada. In no event will this Agreement be governed by the United Nations Convention on Contracts for the International Sale of Goods.

10.2 Notices

All notices will be in writing and sent by first class mail, overnight courier, or transmitted by facsimile and confirmed by mailing, to the addresses indicated on the first page of this Agreement, or such other address as either party may indicate by at least ten (10) days prior written notice to the other party. Notices to SciCan will be sent to privacy@SciCan.com. Notice will be deemed to have been given upon personal delivery (in the case of overnight courier or facsimile) or five (5) business days after being sent by first class mail or on the next business day if sent by facsimile.

10.3 Assignment

Customer may not assign this Agreement (by operation of law or otherwise) or sublicense the SciCan Software Product without the prior written consent of SciCan. Customer may, however, sell or otherwise dispose of the SciCan Equipment with the SciCan Software Product loaded onto its internal operating system. **Customer acknowledges that no Upgrades will be available for any equipment that is sold or disposed of unless the purchaser or recipient opens an account for Upgrades with SciCan and pays the appropriate fees.** Any prohibited assignment or sublicense of the SciCan Software Product will be null and void. The foregoing notwithstanding, upon written notice to SciCan, Customer may assign, or otherwise transfer this Agreement to an Affiliate of Customer, provided such Affiliate agrees with SciCan to be bound by the terms and conditions of this Agreement.

10.4 Legal Costs

If any legal action, including arbitration, is required in order to enforce or interpret any of the provisions of this Agreement, the prevailing party in such action will recover all reasonable costs and expenses, including attorney’s fees, incurred in connection therewith.

10.5 Extraordinary Relief

Each party acknowledges that any breach of its obligations with respect to the proprietary rights of the other party or such party’s licensors may cause such other
party irreparable injury for which there may be inadequate remedies at law and that such other party and its licensors will be entitled to injunctive relief, in addition to all other remedies available to it.

10.6 Headings

The article and section headings herein are provided for convenience only and have no substantive effect on the construction of this Agreement.

10.7 Force Majeure

Neither party will be liable for any failure to perform due to causes beyond its reasonable control.

10.8 Severability

If any provision of this Agreement is held to be unenforceable, the parties will substitute for the affected provision an enforceable provision, which approximates the intent and economic effect of the affected provision.

10.9 Non-Waiver

The failure by a party to exercise any right hereunder will not operate as a waiver of such party's right to exercise such right or any other right in the future.

10.10 Amendment

This Agreement may be amended only by a written document executed by a duly authorized representative of each of the parties.

10.11 Exclusive Agreement

This Agreement replaces and supersedes any prior verbal understandings, written communications or representations.
14. Wi-Fi - Regulatory Information

1. Read first — regulatory information

Read this document before using your unit. This unit complies with the radio frequency, safety standards and regulations of the countries that have approved its importation. Contact SciCan for the latest list of approved countries. Install and use your unit according to the following instructions.

**IMPORTANT NOTE:** To comply with FCC* & IC RF** exposure compliance requirements, the antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

*FCC (Federal Communications Commission)

**IC RF (Industry Canada Radiofrequency)

2. HYDRIM™ Wireless adapter

The HYDRIM unit includes a Wi-Fi IEEE 802.11b,g,n module that allows functions that were previously available only when using a wired interface.

The wireless adapter supports connection to IEEE 802.11b,g,n networks, WPA™ Personal and WPA2™ Personal (EAP* Types: EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC ,EAP-FAST). The WiFi module uses the frequency range 2412-2462MHz and has a maximum 0.111W RF Output power.

*Extensible Authentication Protocol

While the HYDRIM unit is connected to a WiFi network, the security of the connection depends on the configuration of the Wireless infrastructure (router or access point).

Securing your Wi-Fi® connections is an important element of securing your personal data. A Wi-Fi network using WPA2™ provides both security (you can control who connects) and privacy (the transmissions cannot be read by others) for communications as they travel across your network. For maximum security, your network should include only devices with the latest in security technology – Wi-Fi Protected Access® 2 (WPA2). Wi-Fi CERTIFIED™ devices implement WPA2. - See more at: http://www.wi-fi.org/discover-wi-fi/security#sthash.tk28zkHJ.dpuf

Most access points, routers, and gateways are shipped with a default network name (SSID), and administrative credentials (username and password) to make configuration as simple as possible. These default settings should be changed as soon as you set up your network. - See more at: http://www.wi-fi.org/discover-wi-fi/security#sthash.tk28zkHJ.dpuf

It’s also important to consider employing other measures to secure your communications after they travel beyond your Wi-Fi network. - See more at: http://www.wi-fi.org/discover-wi-fi/security#sthash.tk28zkHJ.dpuf

Tips on securing a new network
• Change the network name (SSID) from the default name
• Change the administrative credentials (username and password) that control the configuration settings of your Access Point/Router/Gateway
• Enable WPA2-Personal (aka WPA2-PSK) with AES encryption
• Create a network passphrase that meets recommended guidelines
• Enable WPA2 security features on your client device and enter the passphrase for your network

- See more at: http://www.wi-fi.org/discover-wi-fi/security#sthash.tk28zkHJ.dpuf

2.1. Checking security on an existing network

When you add a new device to your Wi-Fi network, it’s a great time to make sure you’re taking advantage of the highest level of security. Take the opportunity to ensure your network is configured for WPA2.

If your network was set up some time ago, or a service provider (e.g. consultant or cable provider) configured your network, it may be worth checking that it’s configured for the highest level of security. If your network is configured for an older generation of security (WEP or WPA), Wi-Fi Alliance® recommends you move to WPA2. WPA2 has been required on all Wi-Fi CERTIFIED products since 2006 – the vast majority of Wi-Fi CERTIFIED devices in service today are capable of WPA2.

2.2. Passphrase quality & lifespan

A secure network passphrase greatly enhances network security, so it is important to select an effective passphrase. In general, increasing length, complexity and randomness all improve the quality of a passphrase. Wi-Fi Alliance recommends that a passphrase is at least eight characters long, and includes a mixture of upper and lower case letters and symbols. A passphrase should not contain a word found in a dictionary and should not include personal information (identification number, name, address, etc).

Periodically changing the passphrase on your network also increases security.

- See more at: http://www.wi-fi.org/discover-wi-fi/security#sthash.tk28zkHJ.dpuf

2.3. Wireless Setup

The HYDRIM unit allows for Wireless or Wired connections, but only one type at a time.

2.3.1. Selecting between the Wired and Wireless networks

2.3.2. Connecting to a Wireless network
3. USA — Federal Communications Commission (FCC)

3.1. Approved wireless devices
This section presents the FCC ID and model number of the wireless device

3.2. Preinstalled wireless LAN adapter
FCC ID: YOPGS2011MIE (Model: GS2011MIE)

3.3. FCC ID location
3.3.1. On the rear side of your HYDR/M unit, you will find an indicator label of the format “Contains FCC ID YOPGS2011MIE”, where YOPGS2011MIE represents the FCC ID that corresponds to your preinstalled Wireless LAN module.

3.4. FCC RF Exposure compliance
The total radiated energy from the Main antenna connected to the Wireless Card conforms to the FCC limit of the SAR (Specific Absorption Rate) requirement regarding 47 CFR Part 2 section 1093, when the unit was tested. The transmission antenna for the Wireless Card are located in the front fascia.

3.5. Radio Frequency interference requirements
The device has been tested and found to comply with the limits for a Class B digital device pursuant to FCC Part 15 Subpart B.
Due to differences in channel allocation, if you cannot connect using the WIFI device, it may be because these channels are not available in your region or due to interference. If this occurs, the Ethernet connection should be used.

4. Canada — Industry Canada (IC)

4.1. Approved wireless devices
This section presents the IC Certification and model number of each wireless device.

4.2. Preinstalled wireless LAN adapter
IC:9154A-GS2011MIE (Model GS2011MIE)

4.3. Low power license-exempt radio communication devices (RSS-210)
Operation is subject to the following two conditions:
1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device. The transmitter devices have been designed to operate with the antennas integrated in the unit, and having a maximum gain of within 3 dBi.

4.4. Exposure of humans to RF fields (RSS-102)
The HYDR/M unit employs low gain integral antenna that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada’s Web site at http://www.hc-sc.gc.ca/
The radiated energy from the antennas connected to the wireless adapters conforms to the IC limit of the RF exposure requirement regarding IC RSS-102, Issue 2 clause 4.1

5. Regulatory Compliance Information

5.1. Federal Communications Commission (FCC) Declaration of Conformity
Note: The wireless adapters (Model: GS2011MIE) underwent certification process for the
FCC Part 15 Subpart B compliance under the respective FCC ID number.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult an authorized dealer or service representative for help.

SciCan LTD. is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user’s authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

SciCan LTD.
1440 Don Mills Road
Toronto, Ontario, Canada
M3B 3P9

Telephone: 1.800.667.7733

5.2. Industry Canada Class B Emission Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.

5.3 Europe: EU Declaration of Conformity

This product complies with the requirements of the following EU Directive: EUROPEAN DIRECTIVE 2014/53/EU (Radio Equipment Directive). Compliance to this directive implies conformity to harmonized EU standards that are noted in the EU Declaration of Conformity.