



We **revolutionize** imaging devices

ViewBladder 10

Assessing Bladder Volume

User Guide

© Copyright Interson Corporation all rights reserved. No part of this manual or software may be reproduced in any form or by any means, electronic or mechanical, including but not limited to photocopying, recording, or by any information storage and retrieval systems, without the express written consent of Interson.

Windows is a trademark of Microsoft Corporation

Interson is a trademark of Interson Corporation

ViewBladder 10 is a trademark of Interson Corporation

SeeMore USB Probe is a trademark of Interson Corporation

Equipment Manufacturer 
Interson Corporation
7150 Koll Center Parkway
Pleasanton, CA 94566 USA
Phone: 925.462.4948
Fax: 925.462.4833
Email: support@interson.com
Website: www.interson.com

EU Representative **EU-REP**
MedNet EU-REP GmbH
Borkstraße 10
48163 Münster
Germany

Phone: +49 (0) 251 32266-0
Fax: +49 (0) 251 32266-22

Information in this document is subject to change without notice.



CE 2797

This user guide is applicable to but not limited to the following probe:

3.5 MHz General Purpose - GP

Contents

1.	INTRODUCTION	3
2.	DEVICE	3
2.1	Commercial Name	3
2.2	Generic Name	3
2.3	Prescription Device Statement	3
2.4	Device Description	3
2.5	Indications for Use	4
2.6	Contraindications	4
3.	MINIMUM SYSTEM REQUIREMENTS	4
4.	WARNINGS, SAFETY INFORMATION	4
4.1	Meaning of Signal Words	4
4.2	General Cautions and Warnings	5
4.3	Operator Qualifications	6
4.4	Care and Handling of Probes	6
4.5	Cleaning and Disinfection	6
4.5.1	Probe Cleaning	6
4.5.2	Probe Disinfecting	7
4.6	Surface Cleaning	8
4.7	Surface Disinfection	8
4.8	Acoustic Energy	8
4.9	Electromagnetic Compatibility (EMC)	8
4.10	Prescription Device Statement	8
4.11	Training	8
5.	GENERAL	9
6.	VIEWBLADDER 10 DISPLAY	9
7.	VIEWBLADDER 10 USER CONTROLS	10
7.1	Auto Scan Tab	10
	MODE: AUTO VOLUME (DEFAULT)	11
	Automatic Calculation (Ideal Placement)	11
	Manual Caliper Adjustment (Off-Center Placement)	11
	How to Verify Perfect Placement	12
	Quick Reference: Auto Volume Mode	12
	Manual Caliper Adjustment	12
7.2	Advanced Scan Tab	14
7.3	Patient Tab	15
7.4	Settings Tab	16
7.5	Measure Tab	17
8.	SAVING, VIEWING, AND PRINTING IMAGES / REPORTS	19

9. ELECTROMAGNETIC COMPATIBILITY	20
10. STORAGE	21
11. TRANSPORTATION	21
12. CARE OF THE USB PROBE	22
13. DISPOSAL	23
14. ADVERSE EVENT REPORTING	23
APPENDIX A - SOFTWARE INSTALLATION	24
APPENDIX B - INTERSON PROBE SYSTEM SPECIFICATIONS	25
APPENDIX C - COMPUTER SYSTEM SPECIFICATIONS	26
APPENDIX D - INTERSON PROBES AND THEIR APPLICATIONS	27
APPENDIX E - SUMMARY OF THE ACOUSTIC QUANTITIES	28
APPENDIX F - INTERSON USB PROBES - INDICATIONS FOR USE	29
APPENDIX G - PATIENT PRIVACY AND CONFIDENTIALITY	30
APPENDIX H – CALCULATIONS	31
APPENDIX I - INTERSON ULTRASOUND IMAGING SOLUTIONS WARRANTY & EXTENDED WARRANTY REGISTRATION	32
APPENDIX J – RETURN AND REPAIR PROCEDURES (RMA)	34

1. Introduction

Congratulations on your purchase of the ViewBladder 10, the tablet-based ultrasound imaging system to easily assess bladder volume. Please review this user guide before you begin scanning. Contact Interson or your sales representative if you have any questions.

Note: There is also an embedded Help Guide in the ViewBladder 10 software, as well as context-sensitive video help.

The sale of this item is subject to regulation by the U.S. Food and Drug Administration and state and local regulatory agencies.

2. Device

2.1 Commercial Name

ViewBladder 10

2.2 Generic Name

Diagnostic Ultrasound System and Accessories

2.3 Prescription Device Statement



CAUTION

US Federal law restricts this device to sale by or on the order of a physician.

2.4 Device Description

The Interson ViewBladder 10 is a diagnostic ultrasound system designed to display a patient's bladder. The system includes a commercial off the shelf computer and an Interson USB Ultrasound Probe. The USB ultrasound probe is a self-contained portable, ultrasound imaging system. The US probe system contains an ultrasound generator/receiver, analog to digital converter, microcontroller, control logic, USB 2.0 interface and control offering a full complement of conventional operating modes, software-based parameter controls, and recording.

In addition to the initial pre-programmed operational settings for the USB Ultrasound Probe System, user-customized parameter settings may be inserted by the operator and stored for recall as needed via the system control panel. Customization includes transmit power, images controls selection, and Time Gain Compensation (TGC). Controls are also provided to select display format and to utilize the Cine function.

The Interson USB Ultrasound Probe System is a B-Mode scanner and supports a wide variety of applications. It is an ultrasound scanner that provides high resolution performance. The Interson USB Ultrasound Probe System provides various measuring functions. It can measure distances and calculate areas, circumferences, and volumes. The Interson USB Ultrasound Probe System supports the Cine function (capable of storing up to 32 to 1024 sequential images). Management of patient history is possible using the image save function.

For more information on Interson Probe System refer to Appendix B, and for more information on the Interson Probe System Specification refer to Appendix D.

2.5 Indications for Use

Please refer to Appendix F

2.6 Contraindications

None

3. Minimum System Requirements

- Computer Operating System: Windows 10
- Minimum processor: 2.5 GHz
- Minimum RAM: 4 GB RAM
- USB 2.0 port

4. Warnings, Safety Information

4.1 Meaning of Signal Words

In this User's Manual, the signal words "Warning" and "Caution" are used regarding safety and important instructions. All users of the ViewBladder 10 Probe System must understand the meanings of these signal words. These signal words and their meanings are as follows

Signal Word	Meaning
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could cause injury or harm to the equipment.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor injury or harm to the equipment.
	Type BF Equipment
	Follow Operating Instructions
	"Attention", refer to User's Manual

4.2 General Cautions and Warnings

CAUTION

Probes must be cleaned after each use. Cleaning the probe is an essential step prior to effective disinfection. Follow the manufacturer's instructions when using disinfectants.

WARNING

Do not allow sharp objects, such as scalpels or cauterizing knives, to touch probes or cable.

WARNING

Equipment not suitable for use in the presence of flammable mixtures.

WARNING

If the probe is used with other devices, current leakage may increase and electric shock may be caused. It is the user's responsibility to ensure safety when the probe is to be used with other devices. If safety cannot be ensured, use of the probe with other devices is not allowed.

WARNING

The use of AC adapters which have not been tested for electrical safety could potentially cause harm to the system, the probe, the operator and/or the patient. Interson recommend that you use only the AC adaptor supplied by the manufacturer of your computer or tablet. Such adaptors should display certification of electrical safety testing. If you are using a battery-operated system, you can disconnect the AC adapter to prevent this warning.

CAUTION

Do not touch the USB probe system's USB cable connector and the patient simultaneously.

WARNING

Do not allow sharp objects, such as scalpels or cauterizing knives, to touch probes or cable.

WARNING

Equipment not suitable for use in the presence of flammable mixtures.

WARNING

If the probe is used with other devices, current leakage may increase and electric shock may be caused. It is the user's responsibility to ensure safety when the probe is to be used with other devices. If safety cannot be ensured, use of the probe with other devices is not allowed.

4.3 Operator Qualifications

The medical professional operating the ViewBladder 10 system must have a general knowledge of the use of ultrasound imaging devices and imaging protocols.

Connect the probe to the USB port prior to turning on the tablet.

Do not use in the presence of flammable anesthetics or other flammable materials.

Interson probes use very low acoustic power output, and ultrasound imaging has been found, in many studies, to be safe when used correctly. However, as with all medical procedures, risks and benefits must be weighed. It is important to use the lowest power settings and the shortest scan times possible while attaining the needed clinical information.

4.4 Care and Handling of Probes

Although Interson probes are very durable, reasonable care must be taken to avoid damaging them. Handle the membrane on the tip of the probe and the cable attachment at the other end of the probe with care. Keep the probe membrane away from sharp objects to avoid damage. Clean and store the probe in a manner to protect the membrane. Do not put stress on or use the cable to carry the probe, as this may damage the probe and /or the cable. Your probe should give you many years of reliable service if these simple precautions are followed.

4.5 Cleaning and Disinfection



WARNING

Always disconnect the ultrasound probe from the host computer system before performing maintenance or cleaning. Always follow the manufacturer's instructions when cleaning and disinfecting probes and biopsy guide adapters. Do not use a surgeon's brush when cleaning probes. The use of even soft brushes can damage the probe.

4.5.1 Probe Cleaning

1. Wear protective gloves when performing the cleaning process.
2. Disconnect the probe from the system.
3. Remove any sheaths, biopsy guide adapters, and biopsy needle guides.
4. Discard sheaths (sheaths are a single-use item) in a biohazard container.
5. Use a soft cloth lightly dampened in a mild soap or compatible cleaning solution to remove any particulate matter or body fluids that remain on the probe or cable.
6. To remove remaining particulates, rinse with water up to probe's USB cable connection.
7. Wipe with dry cloth; or wipe with water-dampened cloth to remove soap residue, and then wipe with a dry cloth.

4.5.2 Probe Disinfecting

A 10⁶ reduction in pathogens should be reached following the disinfecting procedures in this manual and using the following recommended solutions.

The following disinfectants are recommended because of both biological effectiveness (as qualified through the FDA 510(k) process) and their compatibility with Interson ultrasound product materials.

Solutions	Country	Type	Active ingredient	FDA 510(k)
Cidex®	USA	Liquid	Gluteraldehyde	K924434
Cidex Plus®	USA	Liquid	Gluteraldehyde	K923744
Sporicidin®	USA	Liquid	Phenol	K904581
Revital-Ox™ Resert® HLD	USA	Liquid	Hydrogen Peroxide	K080420

1. Wear protective gloves when performing the disinfecting procedure.
2. Check the expiration date of the solution that is being used. Use only solutions that are within the expiration date.

WARNING

The type of tissue it will contact during use dictates the level of disinfection required for a device. Ensure that the solution strength and duration of contact are appropriate for disinfection. Be sure to follow the manufacturer's instructions.

WARNING

Using a non-recommended disinfection solution, incorrect solution strength, or immersing a probe deeper or for a period longer than recommended can damage or discolor the probe and will void the probe warranty.

WARNING

Do not immerse probes longer than one hour. Probes may be damaged by longer immersion.

WARNING

Disinfect probes using only liquid solutions. Using autoclave, gas (EtO), or other non-Interson-approved methods will damage the probe and void the warranty.

1. Mix the disinfection solution compatible with the probe according to label instructions for solution strength. A disinfectant qualified by the FDA 510(k) process is recommended.
2. Immerse the probe into the disinfection solution per the manufacturer's recommendations of duration.
3. Follow the instructions on the disinfection label for the duration of probe immersion.
4. Using the instructions on the disinfectant or sterilization label, rinse the probe up to the point of immersion, and then air dry or towel dry with a clean cloth.

5. Examine the probe for damage such as cracks, splitting, fluid leaks, or sharp edges or projections. If damage is evident, discontinue use of the probe and contact a customer service representative.

4.6 Surface Cleaning

The tablet surface can be easily cleaned using a microfiber towel or other soft wipe. If needed, rubbing alcohol or another mild cleaner can be used, however never apply cleaner directly to the tablet surface. Dampen the microfiber towel with the cleaner. Do not saturate the towel.

4.7 Surface Disinfection

The tablet surface can be disinfected using the cleaners identified in 3.5.1.2 Probe Disinfecting. Do NOT immerse the tablet and never spray the disinfectant directly on the tablet surface. Spray a conservative amount onto a towel, being careful not to saturate the towel.

4.8 Acoustic Energy

The effects of acoustic energy on human tissue have been widely reviewed and are still under investigation. Therefore, it is recommended that diagnostic ultrasound output power be set to the lowest possible levels in accordance with the principle of ALARA (As Low As Reasonably Achievable). See section 6 of this manual for Acoustic measurements.

4.9 Electromagnetic Compatibility (EMC)

The Interson GP family of USB powered ultrasound probes have completed and passed EN 60601-1-2: 2007 standard.

4.10 Prescription Device Statement



CAUTION

US Federal law restricts this device to sale by or on the order of a physician.

4.11 Training

This ViewBladder 10 system is intended to be used by trained medical professionals only. The system's functions are described in this manual and are also available through the ViewBladder 10 system software Help Menu.

5. General

This user guide is for the Interson ViewBladder 10 system. Prior to using the system, become familiar with the operating instructions in this guide.

6. ViewBladder 10 Display

The ViewBladder 10 screen is divided into three major sections: Imaging Window, Status, Window, and User Interface Section.

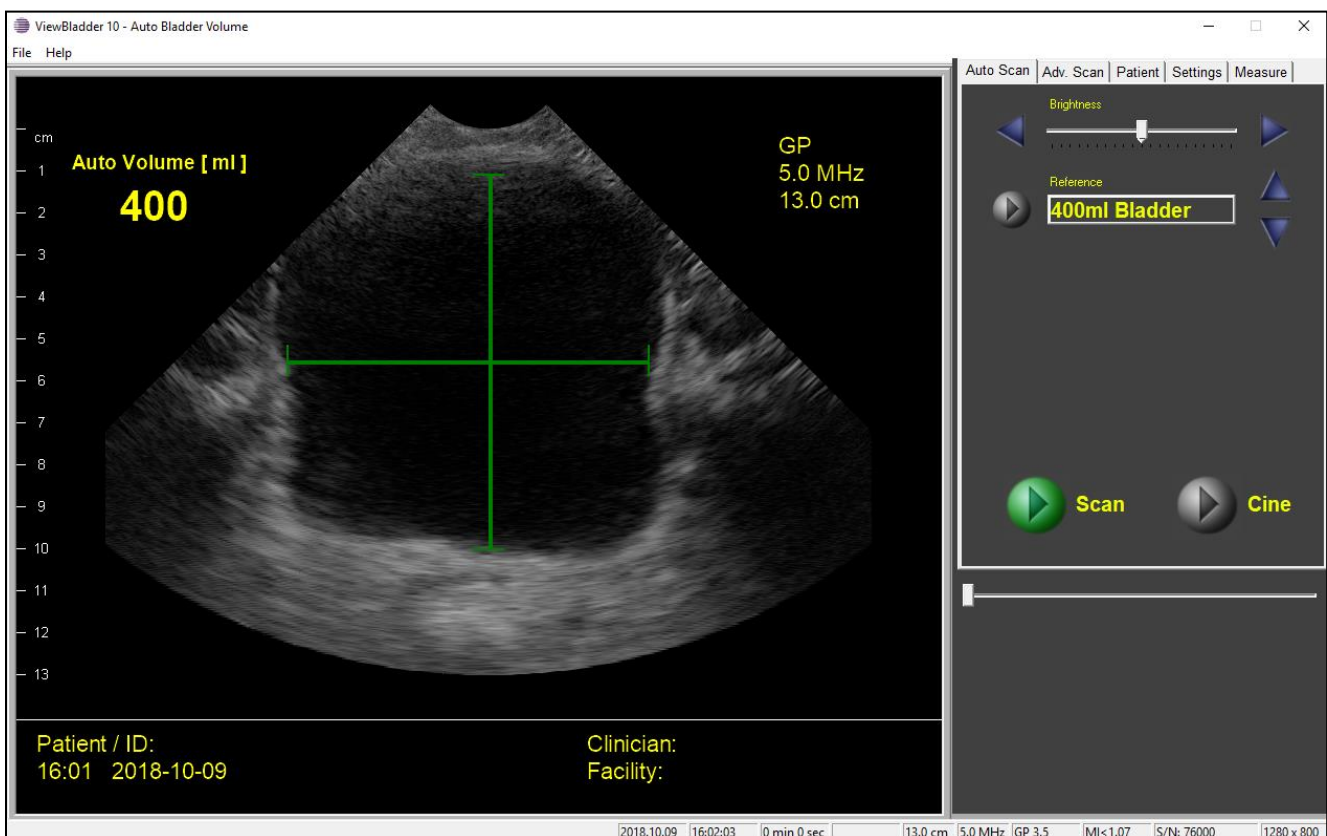
On the upper left side is the Imaging Window. The Imaging Window displays the ultrasound scan, and includes any measurements, calculations, and annotations.

Directly below the Imaging Window is the Status Window. If you have started a patient exam, the left-hand column shows all of the details about the patient. The right-hand column shows information about the probe and its settings.

On the right side of the screen is the User Interface Window. It contains a number of tabs to start patient exams, adjust the image, input patient and exam information, set preferences, and perform measurements and calculations. Each of these tabs and their functions are described in detail in this User Guide.

Imaging Window
↓

User Interface Window
↓



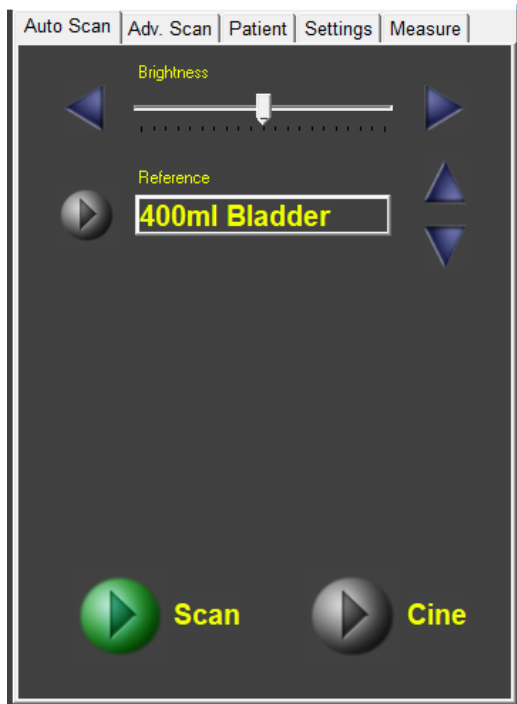
↑
Status Window

Note the blue dot on the upper left side of the image. This blue dot corresponds to the scan / freeze and image orientation button on the probe. The radiologist's convention is that the orientation mark on the image identifies the patient's right side or the patient's head. The image can be flipped and/or inverted in the **Settings** tab.

7. ViewBladder 10 User Controls

The User Interface Section on the right side of the screen contains five tabs: **Auto Scan**, **Adv. Scan**, **Patient**, **Settings**, and **Measure**. Each of these tabs has its own page in this user guide. Video help and embedded help are also available for each of these tabs. To access **Video Help**, select a tab and then use the **Help** pull down in the upper left corner of SeeMore and select **Video Help**. To access embedded help, select **Help** in the upper left corner of SeeMore and select **Help Topics**.

7.1 Auto Scan Tab



The **Auto Scan** tab is the default view. You may adjust image brightness, select and display reference images, as well as start and stop new scans and replay cine loops of the most recent scan.

Intensity adjusts the brightness of the image. It is typically best to leave the slider in the center of the range.

Reference images can be displayed using the green play button or the up and down blue arrows. By comparing your patient's bladder to one of the reference images you can easily assess the state of your patient to be full, empty or partial.

Press the green **Scan** button, or space bar, or button on the probe to start the scan.

Make minor adjustments to probe position to obtain the largest, most optimal bladder image.

Observe the displayed image and the bladder volume estimate. Slowly tilt and tip the probe until you have the largest cross section displayed on the screen. Freeze the image by pressing the blue button on the probe, or the yellow pause Scan button on the screen, or the space bar.

After freezing the image, you can press the Cine button to replay the captured frames. If you would like to select a specific frame you can use the arrow keys on the keyboard.

Mode: Auto Volume (Default)

When scanning the bladder from the “**Auto Scan**” tab, the default scanning mode should be set to “**Auto Volume Bladder**” in the “**Measure**” tab under “**Calculations**.” This is the default setting and there is no need to change unless it has been changed to “Bladder Volume 2D” or “Bladder Volume 3D” manually. If this is the case, return setting in “Calculations” back to “Auto Volume Bladder” and **return to the Auto Scan Tab**.

STEPS FOR “AUTO VOLUME” MODE:

1. Make sure you are in the first tab labeled “**Auto Scan**”.
2. Probe must be connected to the tablet via USB.
3. Turning the probe on is a “start/stop” function. Press the blue button on the probe once (do not hold) to turn on. Press the blue button again once to stop the probe. Repeat to turn on and off. Probe must be running to actively scan.
 - a. Probe can also be turned on/off by using the touch screen to press the “Scan” green play button and “Pause” button on the right hand panel.
4. **Measurements are not taken during an active scan.** First, you must acquire an image of the bladder by actively scanning and from the still image (after you stop probe) you will be able to acquire bladder volume measurement.

SCANNING AND FREEZING IMAGE

Automatic Calculation (Ideal Placement)

- Align the probe for capturing the largest transverse cross-section of the bladder.
 - Probe should be placed on the midline, two finger-widths above the pubic bone.
 - **Blue button on the probe is your orientation button. This must be facing either right or left side of patient (towards the hips) in order for probe to be scanning in the transverse view.** (If blue button is facing towards head or feet, probe is scanning in the sagittal view.)

⚠ Auto Volume Mode requires acquiring a transverse image of the bladder at the largest cross-section.

Fan the end of the probe towards head or feet, keeping contact of membrane (top of probe) to the skin without sliding the probe, keep contact, in order to find the largest cross section in the transverse view. Stop scan. Green crosshairs will appear on the screen and volume number is displayed.

⚠ Note: *Green calipers will flash on screen during active scan indicating probe is on and running. Active calipers are engaged during real-time scanning. Calipers are reacting to edges detected while probe is actively scanning. Calipers serve as a baseline visual reference and not automated bladder border detection tool.*

Manual Caliper Adjustment (Off-Center Placement)

If the bladder is not perfectly centered in the imaging window on the screen, or if tissue artifacts interfere in the image, the system allows for manual optimization. Use the touchscreen or mouse pointer (if applicable and using on a standard computer and not a tablet) to manually reposition the calipers to the true edges of the bladder wall to recalculate the volume.

Caution: MEASUREMENT VALIDATION

Always verify bladder centering on the screen before finalizing the volume calculation. Misalignment can result in underestimated/incorrect volume or necessitate manual caliper correction.

How to Verify Perfect Placement

Before accepting an automatic measurement, look at the alignment crosshairs on the display:

- **Perfect Placement (No Intervention Needed):** The bladder image appears centered directly inside the target crosshairs. The automated boundary line tightly hugs the true bladder wall. You may proceed immediately without adjusting anything.
- **Imperfect Placement (Manual Adjustment Required):** The bladder image is shifted to the edge of the cone, or the calipers boundary lines are not placed on the true outer edges of the bladder wall. You must use the manual override steps below.

Caution

Relying on automated tracking during an imperfect or off-center scan can result in underestimated volume calculations. **Always visually validate the caliper boundaries.**

Quick Reference: Auto Volume Mode

Verify Scan Placement

Ensure the bladder is aligned within the target crosshairs before finalizing the measurement.

Perfect Placement (No Action Needed)

- **Visual:** Bladder is symmetrical and centered directly inside the crosshairs.
- **Action:** Accept the volume. No manual intervention is required.

Imperfect Placement (Manual Override Required)

- **Visual:** Bladder is shifted toward the edge of the scanning cone.
- **Action:** Follow the manual adjustment steps below.

Manual Caliper Adjustment

Use these steps if automated tracking requires optimization due to off-center alignment or tissue artifacts:

1. **Stop Scan:** Stop the active scan by pressing the blue button on the probe once (start/stop function) and look at image on the screen.
2. **Reposition:** Use the touchscreen or mouse to place the calipers on the true outer edges of the bladder wall.

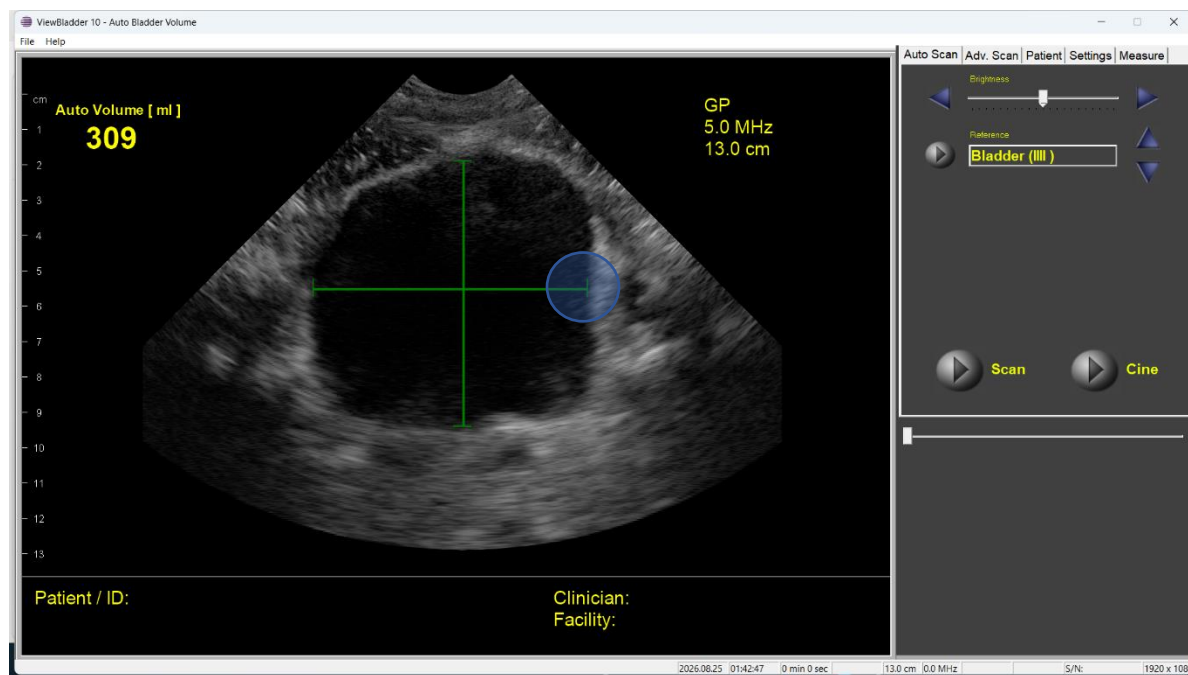
Caliper Adjustment Method:

The system does not support drag gestures for boundary modification. To reposition a caliper line, select target boundary and tap the display area immediately **above or below** the line. Each tap shifts the boundary incrementally until it aligns with the bladder wall.

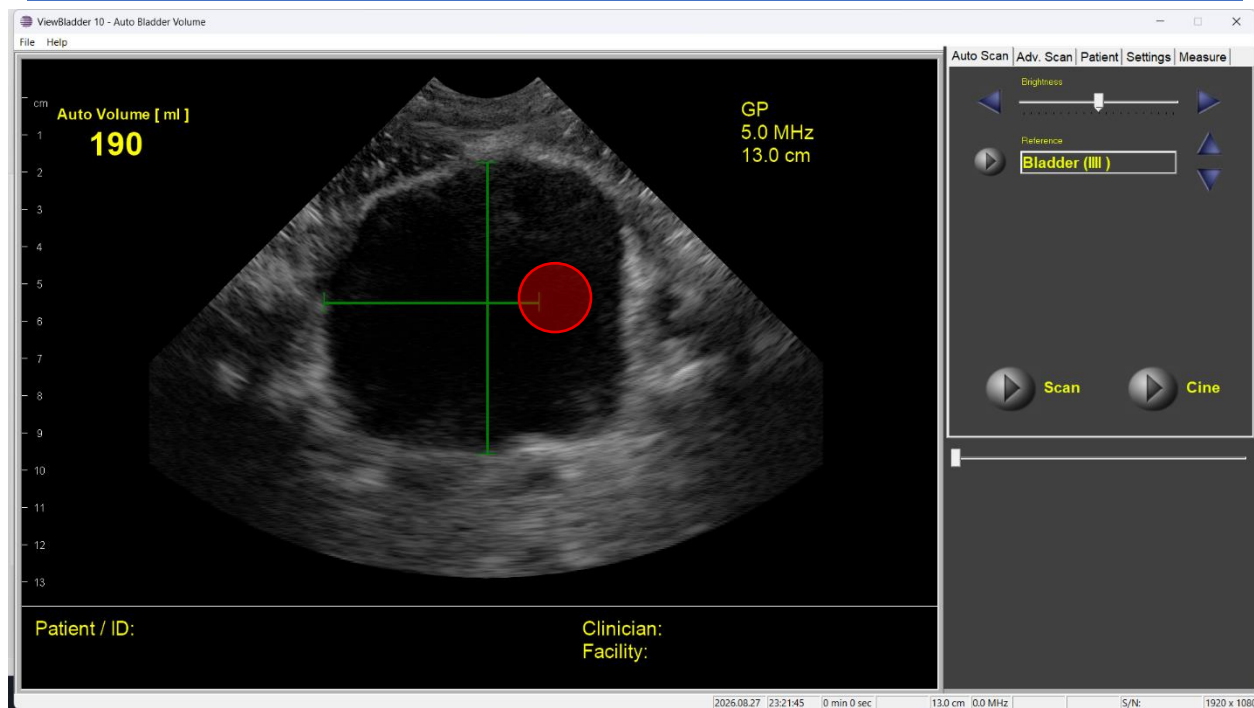
 **Note:** Dragging is disabled. **Tap above/below the line** to adjust position.

Do not drag the lines. To adjust the caliper boundaries, tap the touch screen directly **above or below** the line to nudge it into position.

Correct green caliper placement on true outer edges of the bladder.

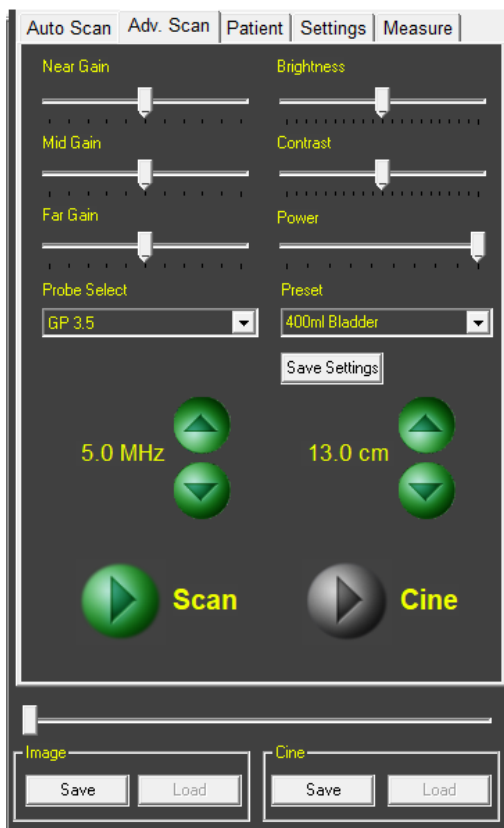


Incorrect green caliper placement.



7.2 Advanced Scan Tab

The **Adv. Scan** tab provides the complete ultrasound controls. This tab is typically only used if you are using ViewBladder 10 to analyze abdominal structures other than the bladder.



In the right-hand column of sliders you can adjust the **Intensity** and **Contrast**. Typically you will leave these in the center. **Power** controls the probe's pulse power. Typically you will leave this at the maximum. If the displayed image is saturated, you may get a better image by lowering the pulse power.

In the left-hand column of sliders you can adjust the three gains. The typical starting point is with all three gains in the center. **Near Gain** adjusts the first third of the image. **Mid Gain** adjusts the middle third, and **Far Gain** the last third. If the technique of starting with all gains in the middle doesn't seem to give you a good image, adjust all gains to the minimum (left), move pulse power to maximum (right) and intensity and contrast in the middle. Now raise the **Near Gain** until the first third of the image is just below saturation. Now, similarly, adjust **Mid Gain** and then the **Far Gain**.

Probe Select identifies all connected probes and enables you to select which probe you would like to use.

Preset enables you to select from an included preset of ultrasound parameters.

A specific preset contains: Intensity, Contrast, Near Gain, Mid Gain, Far Gain, Frequency, Depth, and Power. The list of available presets changes based on the probe that is selected. To save a new preset, type a new name over an existing preset name (no spaces allowed) and select **Save Settings**. To delete a preset, select the preset name and then press **delete** on the keyboard.

Frequency allows you to select from available pulse frequencies. Pulse frequencies are probe specific, and as such, different probes may have different pulse frequencies. As image resolution is better at higher frequencies, always use the highest pulse frequency that allows you to scan to your desired depth.

Depth changes the displayed depth range. Depth ranges are dependent on the probe selected and the selected pulse frequency.

Scan starts and stops the scan. The scan button on the probe and the keyboard's space bar will also start and stop the scan.

ViewBladder 10 automatically saves the most recent frames. After stopping a scan, the most recent frames can be replayed by pressing the **Cine** play button. The number of frames that are automatically saved in the Cine frames buffer can be set in the **Settings** tab.

Image Save stores the current displayed frame of native format scan data and also a jpeg with measurements and annotations. **Image Load** recalls a saved frame of native format scan data.

Cine Save stores the buffer of most recent scan frames. **Cine Load** recalls a previously saved buffer of the most recent scanned frames.

7.3 Patient Tab

The **Patient** tab is where new patients are entered prior to starting an exam.



A new patient can be entered or an existing patient can be edited. After editing or entering the patient information, select **Save** and follow the prompts to add as a new patient or edit the current patient. New patient information can be typed over current information, or **Clear Fields** will clear all displayed information without deleting a patient from the database. To delete a patient from the database select **Remove**.

Facility and **Clinician** are selected and saved with the patient data. They are entered and edited in the **Settings** tab.

Sort alphabetically sorts the database by **Last Name**. If **Sort** is not checked, patients are displayed in the order they were entered.

Start Exam posts the current patient information to the Status Window and makes a patient folder in the Documents/SeeMore Data/Patient Data directory. Images and calculations are stored to this folder. After pressing Start Exam, start and then stop/freeze a scan.

You may use either the Scan button on the screen, the button on the probe, or the keyboard space bar. Images are saved to the patient folder each time **Save Image** is pressed.

If you plan to print a report using the included report template, prior to pressing **Save Image**, you may scroll to a specific image by using the arrow keys on the keyboard or the scroll wheel on the mouse. You may add measurements, annotations, and calculations prior to pressing **Save Image**. To end a patient exam press **Stop Exam**.

After an exam is completed, **Print** will print a single page report for the selected patient's **Last Name**. The report is driven from a customizable template. To modify the report template, refer to page 15. The standard template prints a single page report of the patient information and includes the first two images that were saved while the exam was open.

The patient data file can be edited outside of ViewBladder 10. Navigate to the Patient Data folder in Documents/SeeMore. Make a copy of PatientsDataFile.csv. Open and edit PatientDataFile.csv. Be careful to save to the comma separated value format. Open ViewBladder and be sure you can scroll through all patients. If you need to recall the original file, rename the copy that you made earlier to PatientDataFile.csv

7.4 Settings Tab

The **Settings** tab is used to configure the functions of SeeMore.



In the **Facility** block you can **Add** and **Remove** either **Facility** or **Clinician** names. To remove a name, highlight the facility or clinician name and select **Remove**.

To add a new name, type over an existing name and select **Add**. The previous entry is not edited, the new entry is added.

Duplicate report lists any connected storage drives and allows you to select a duplicate location to store a copy of the patient exams as they are taken.

Image Store specifies the default location to store images that are not associated to a patient exam. **Image Save** or **Cine Save** will save to this specified location. There is typically no need to change this default directory.

Grid displays reference marks on the left side of the Image Window.

Cine Frames allows the user to specify the number of frames that are buffered for replay. 32, 64, 128, 256, 512, or 1024 may be selected. As the frame rate is approximately 12 frames per second, these equate to approximately 3, 5, 10, 20, 40, and 80 seconds of buffered frames. The default is 32 frames, 3 seconds.

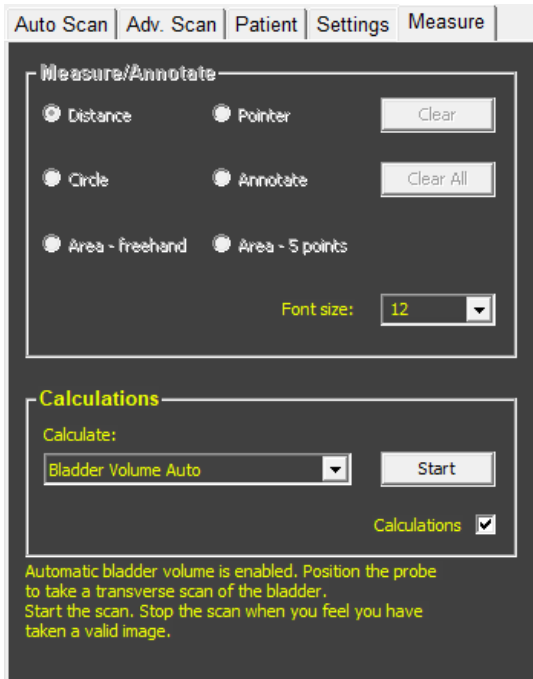
Splash Video enables an included video to be played when SeeMore starts.

Orientation flips the image right and left.

Invert Image flips the image up and down.

7.5 Measure Tab

The **Measure** tab is used to add measurements and annotations to an image, as well as perform Bladder Volume Auto, Bladder Volume 2D, and Bladder Volume 3D calculations.



There are four types of measurements available.

Distance is invoked by placing your finger on a starting point and dragging your finger to the end point and then lifting your finger.

Similarly, a perfect **Circle** can be drawn. Place your finger at one edge of the circle and drag your finger to the other edge of the circle.

To draw a random shape, use **Area-freehand**.

To draw a smooth shape, use **Area - 5 points** and select five points on the image. ViewBladder 10 will smoothly connect the five points.

Annotate and **Pointer** are used to label items on the image.

Font Size can be changed to suit your preference.

Clear removes the most recent measurement or annotation one at a time.

Clear All removes all calculations, measurements, and annotations.

To enable calculations, select the white box in the **Calculations** window. There are three calculations available in ViewBladder 10. Use the **Calculate** pull down to select either Bladder Volume Auto, Bladder Volume 2D, or Bladder Volume 3D. Bladder Volume Auto uses the height and width of a transverse bladder scan to estimate bladder volume. Bladder Volume 2D prompts you to measure the height and width of a transverse bladder by placing calipers on the height and width of the displayed bladder. Bladder Volume 3D adds a thickness measurement from a mid-sagittal scan to the height and width measurements from the Bladder Volume 2D transverse scan.

Pressing **Start** begins the calculation procedure and provides text prompts underneath the calculations window.

The following steps will guide you through acquiring a Bladder Volume using Bladder Volume Auto. Bladder Volume Auto is the default calculation mode. Note that if your configuration has been changed from the default Bladder Volume Auto navigate to the **Measure Tab** and use the calculation pull down to select Bladder Volume Auto and press Start. You are now ready to make transverse scans from the **Auto Scan** or **Adv. Scan** tab. Start the scan by pressing the green scan button on the screen or the Blue button on the probe or the computer's space bar.

Position the probe to acquire a transverse scan, hip to hip, by positioning the probe two finger widths above the pubic bone, with the blue button pointing to the patient's right hip. Slowly tip and tilt the probe to center the bladder image on the screen. When ViewBladder 10 is able to

determine the edges of the bladder it will calculate and display the volume. Optimize the size of the bladder by slowly tipping and tilting the probe to be sure you are imaging the largest cross section of the bladder. When the picture is the largest and the calculated number is the highest Stop (freeze) the scan by pressing the yellow **Scan** button on the screen, the space bar on the keyboard, or the blue button on the probe. If you inadvertently stopped on an image that you feel was suboptimal you can simply rescan or use the arrow keys on the keyboard to select the most optimal image.

If you would like to manually measure the bladder volume, navigate to the **Measure Tab** and select from either Bladder Volume 3D or Bladder Volume 2D. Bladder Volume 3D, three dimensions, uses height and width from the transverse scan and the thickness from the sagittal. If you are performing a Bladder Volume 2D, two dimensions, you will skip steps 7, 8, 9.

1. From the **Measure** tab use the calculation pull down and select either Bladder Volume 2D or Bladder Volume 3D.
2. Press the calculations Start button.
3. Follow the on-screen instructions to acquire the transverse image. Position the probe on the centerline of the patient's stomach two finger widths above the pubic bone with the probe's blue button pointed to the patient's right side. Start the scan by briefly pressing either the blue button on the probe, or the large green Scan button  on the **Auto Scan** tab or Adv Scan tab, or the keyboard space bar.
4. Make minor adjustments to probe position to obtain the largest, most optimal bladder image.
5. When you feel you have obtained the most optimal image, freeze the image by pressing the blue button on the probe or the yellow pause Scan button, or the keyboard space bar.
6. After freezing the image, measure the height of the displayed bladder by placing your finger on one edge of the bladder and swiping to the opposite side. Similarly measure the width. If you feel you did not optimally place your finger, double tap to remove the current measurement and then swipe your finger again.
7. Follow the onscreen prompts, displayed in yellow beneath the patient exam box, to take the mid-sagittal scan. By rotating the probe 90 degrees you will be viewing the thickness of the bladder. Start the scan and then freeze when you have the optimal bladder image.
8. You should see a black ultrasound shadow on the right edge of the scan. This is the patient's pubic bone.
9. Measure the thickness of the bladder by placing your finger on the edge of the bladder and swiping to the opposite side. The mid-sagittal bladder image is often displayed at a slight angle, either up or down. Therefore, to make the most accurate measurement, always measure the thickness at the appropriate angle.
10. ViewBladder 10 will estimate and display the bladder volume. If you find you did not optimally place your finger, double tap to remove the volume calculation and the distance measurement and repeat the distance measurement.

8. Saving, Viewing, and Printing Images / Reports

There are a variety of ways to save, view, and print images from the ViewBladder 10 application. As saved images are also stored in the jpeg format, they can be viewed and printed with a variety of Windows applications. These are in addition to the Patient Report which automatically saves both the transverse and mid-sagittal images with patient and calculation information. This Patient Report is printed using the Print button on the Patient tab.

Saving

There are many ways that images can be saved. At the bottom of each control tab, on the left, is the Image Save function. This automatically saves the current frame as a backscatter image, (raw data). Image Save also automatically saves the current image frame as a jpeg and includes any added measurements, calculations and annotations.

Viewing

To review jpeg images, close ViewBladder 10 and click on the desktop folder labeled Patient Data. You can navigate to a patient's folder and display a specific .jpg image. Images that were not saved to a patient folder can be found in the Patient Data/_Stat Images folder.

To review backscatter images, in the ViewBladder 10 application, click on the Load Image button at the bottom of the **Adv. Scan** tab. Navigate to the Patient Data/_Stat Images folder and select a saved .bs image. The current image in the imaging window will be replaced by the retrieved image data. You can use the gain controls to adjust the image. You can add measurements and annotations and then resave the image as a jpeg for printing.

Printing Images and Patient Exam Reports

Jpeg images can be printed to any available Windows supported printer.

You can use Windows and any installed graphics program to open and print any previously saved jpeg image. Navigate to the Patient Folder using the shortcut on the desktop and select the .jpg file that you would like to print.

You can also print the Image and Status Window using the File pull down in the upper left corner of the ViewBladder 10 application window.

Patient Exam reports are printed by using the Print button in the Patient tab. Reports are printed using a customizable template. To modify the report template close ViewBladder 10 and navigate to the Documents/SeeMore Data/Settings folder and make a copy of report-template-calc.html file. You are now ready to modify the report template. Open report-template-calc.html using Notepad. Make your edits and perform file save. Open ViewBladder and take a new patient exam. Test your template by printing the report for this new exam. If you need to, you can always rename the copy of the report template that you made earlier to return to the original report template.

Saving and Viewing Reference Images

High resolution reference images are included in the Reference Data folder. These reference images are displayed on the Auto Scan tab and are used to compare your patient's bladder to typical bladder volumes. By comparing these reference images, you can obviate the need to make measurements of bladder volume. You can edit or add annotations of your clinic's protocol to the included reference images or to your clinic specific reference images and save them in the Reference Data folder. Additionally, if you save a video or jpg with the same name as the reference image in the Reference Data folder, it can be displayed by single tapping the reference image when the reference image is displayed from the Auto Scan tab. Additionally, the settings that were used to take a reference image are automatically invoked, thereby alleviating the need to adjust or determine any settings prior to scanning your patient.

9. Electromagnetic Compatibility

Like other medical equipment, Interson USB Ultrasound Probes require special precautions to ensure electromagnetic compatibility with other electrical medical devices. To ensure electromagnetic compatibility (EMC), Interson USB Ultrasound Probes must be installed and operated according to the EMC information provided in this manual.

The Interson USB Ultrasound Probes have been designed and tested to comply with IEC 60601-1-2: 2002 requirements for EMC with other devices.

CAUTION

Portable and mobile RF communications equipment may affect the normal function of the Interson USB Ultrasound Probes.

CAUTION

Do not use cables or accessories other than those provided with the Interson USB Ultrasound Probe, as this may result in increased electromagnetic emissions or decrease immunity to such emissions.

Guidance and Manufacturer's Declaration: Electromagnetic Emissions & Immunity					
Interson USB Ultrasound Probes are intended for use in the electromagnetic environment specified below. The customer or the user of the Interson USB Ultrasound Probe should ensure that it is used in such an environment.					
Environmental Phenomena	Test In Accordance to	Level	Criteria	Basic Standard	Notes
Radiated Emissions	EN60601-1-2	Group 1 Class a	Under Limit	CISPR 11	Measure at 5 meters
Electrostatic Discharge	EN60601-1-2	±2kV ±4kV ±8kV contact discharge ±2kV ±4kV ±8kV air discharge	36.202.1 (j)	EN61000-4-2	Apply to all accessible components
Radiated Immunity	EN60601-1-2	80MHz-2.5GHz 3V/m 80%@1kHz	36.202.1 (j)	EN61000-4-3	Expose all parts of EUT to field
EFT I/O Only	EN60601-1-2	±2kV 5/50 5kHz	36.202.1 (j)	EN61000-4-4	None
Conducted Immunity I/O Only	EN60601-1-2	0.15 – 80MHz 3Vrms 80%@1kHz	36.202.1 (j)	EN61000-4-6	None

Guidance and Manufacturer's Declaration: Electromagnetic Immunity

Interson's USB Ultrasound Probes are intended for use in the electromagnetic environment specified below. The customer or the user of the Interson USB Ultrasound Probe should ensure that it is used in such an environment.

Field strength from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, armature radio, AM and FM radio broadcast and TV broadcast, cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Interson USB Ultrasound Probe is used exceeds the applicable RF compliance level, the Interson USB Ultrasound Probe should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the Interson USB Ultrasound Probe system.

10. Storage

When the Probe is not being used, it should be stored in a clean, dry area.

CAUTION

Do not use cables or accessories other than those provided with the Interson USB Ultrasound Probe, as this may result in increased electromagnetic emissions or decrease immunity to such emissions.

Do not store the probe in the shipping case. It may become a source of infection.

To prevent damage to the probe, do not store in areas where it might be exposed to:

- Excessive vibration
- Excessive dust & dirt

Store the probe under the following ambient conditions:

- Temperature: -10°C to 50°C (14°F to 122°F)
- Relative Humidity: 20% to 80% (no condensation)
- Atmospheric pressure: 700 hPa to 1060 hPa

11. Transportation

Never carry the probe by the cable. The cable could disconnect from the probe allowing it to drop and possibly damaging the probe.

Never bend the USB cable in a tight radius. This could result in damage to the cable.

Transport the probe under the following ambient conditions:

- Temperature: -10°C to 50°C (14°F to 122°F)
- Relative Humidity: 20% to 80% (no condensation)
- Atmospheric pressure: 700 hPa to 1060 hPa

When transporting the probe to a different field location or being returned for repair and/or maintenance, use the disinfected carrying case or enclosure that the probe was originally packaged in. Call Interson for an RMA number before returning a probe for evaluation and possible repair. If the original package is not available, pack in such a way that the probe is protected.

12. Care of the USB Probe

USB probes and their cables are completely sealed units. The probe may be submersed in water up to the cable during normal use.

DO NOT OPEN ANY PROBE

Be careful when handling the USB probe. If the USB probe dropped on a hard surface it can be damaged.

DO NOT DISCONNECT or REMOVE THE USB CABLE

Be sure to keep the USB probe plug dry at all times.

The probe should be cleaned after every use. Regularly check the transducer housing and front face for cracks, as this may cause a loss of fluid which would impair the performance of the probe. Regularly check the cable for cuts, cracks, and kinks. This could also impair the performance of the probe.

Cleaning

Ensure the USB probe is at room temperature. Rinse off any visible contamination (such as scanning gel or biological substances) with a detergent and tap water at a maximum of 40°C (104°F). Do not use water at temperatures below 10°C (50°F). Dry with a sterile cloth.

Maintenance

Periodic testing and maintenance of the Interson USB ultrasound probe is NOT required.



WARNING

Do not use cables or accessories other than those provided with the Interson USB Ultrasound Probe, as this may result in increased electromagnetic emissions or decrease immunity to such emissions.



WARNING

Users of this USB probe system have an obligation and responsibility to provide the highest degree of infection control possible to patients, co-workers and themselves. To avoid cross contamination, follow all infection control policies established for the office, department or hospital as they apply to personnel and equipment.

13. Disposal

1. Contact Interson Corporation before disposing of the probe.

2. Concerning the WEEE label:

The following information is for EU member states:

The use of this symbol indicates that this product should not be treated as household waste.

By ensuring that this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste-handling of this product. For more information concerning the return and recycling of this product, please consult Interson Corporation.

14. Adverse Event Reporting

Report any serious incident that occurs in relation to the Ultrasound Probe System to Interson Corporation and to the competent authority of the country in which the user and patient are established.

Appendix A - Software Installation

ViewBladder 10 is delivered with software already pre-installed on the tablet. These software installation instructions only apply if you would like to load the software onto another Windows computer.

Email support@interson.com to get a link for the ViewBladder 10 software.

Do NOT plug in the USB ultrasound probe until the software has been fully installed.

Software installation:

1. Plug in the Memory Stick to one of the computer's USB 2.0 ports.
2. Navigate to the location that contains the file **ViewBladder 10 Setup.exe**
3. Click on the icon labeled ViewBladder 10 Setup.exe
4. Follow the on-screen instructions - click **Next** when prompted.
5. When installation is complete, click **Finish**.
6. Do *NOT* launch the ViewBladder application - the drivers need to be installed.
7. Connect the ultrasound probe to an available USB 2.0 port.
8. Wait for the first driver to install. Windows will confirm the installation.
9. Launch the ViewBladder application using the shortcut on the desktop.
10. The second driver will install. Windows will confirm the installation.
11. ViewBladder 10 will now launch and you are ready to scan.

Appendix B - Interson Probe System Specifications

Imaging Mode	B Scan
Functions	• Standard USB Port (2.0) connectivity • Multiple freeze method: button on probe, keyboard, or soft key on screen • Zoom with enhanced resolution (4 times over sampling)
Image Resolutions	0.1 to 2.0 mm resolution
Gray Shades	True 256 (8 bits) shades of gray
Sector Size	90° sector
Transducer	High Bandwidth, single element: 3.5 MHz
Depth Selections	3, 5, 6, 10, 15, and 20 cm depths
Measurements	Distance, area, volume measurements
Signal Processing	• TGC controls, near, mid and far • Contrast and image intensity controls • Frame averaging • Interpolation
Archive Functions	• Exam data • Cine buffer range 32-1024 frames • Open system architecture
Power Supply Requirements	DC 5.0 V at 500 mA (max) obtained from the USB 2.0 port
Environmental	• Max operating temperature: 50°C (122°F) • Min operating temperature: -10°C (14°F) • Operating humidity range: 20-80% non-condensing
Storage Temperature	-10°C to 50°C (14°F to 122°F)

Appendix C - Computer System Specifications

Open System Architecture	System Specification Requirements for PC, Tablet, or Laptop
Processor	2.5 GHz or higher
Memory	4 Gigabyte or more
Video Chipset	Intel 815EM or higher performance equivalent
Video Memory	Up to 16 MB SDR or equivalent
Display	XGA 1024x768 or greater
Digital Ports	USB 2.0 Port (full speed)
Keyboard	If desired, 83 Keys or equivalent
Mouse	Touchpad, Laser Mouse, USB Mouse or equivalent
AC Adapter	Medical Grade
Battery Type	PCGA-BP2R or equivalent
Operating System	Windows 10
Software	Interson Corporation – USB ultrasound version 4.2.2 or higher
Warranty	1 year for the ultrasound probe
Special Options	N/A



WARNING

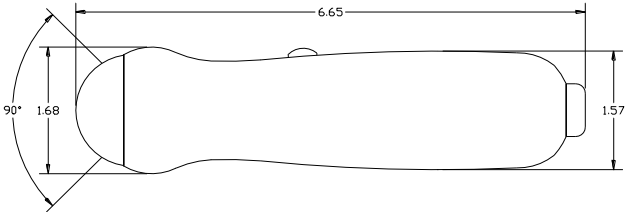
Do not use cables or accessories other than those provided with the Interson USB ultrasound probe, as this may result in increased electromagnetic emissions or decrease immunity to such emissions.



WARNING

The use of AC adapters which have not been tested for electrical safety could potentially cause harm to the system, the probe, the operator and/or the patient. Interson recommends that you use only the AC adaptor supplied by the manufacturer of your computer or tablet. Such adaptors should display certification of electrical safety testing. If you are using a battery-operated system, you can disconnect the AC adapter to obviate this warning.

Appendix D - Interson Probes and their Applications

Description	Product Design	Product Targeted Use
USB PROBE GP 3.5 MHz		Human – Abdominal Focal Point - 7.5 mm Max depth – 20 cm Patient contact - 35 mm Displayed depth – 10 cm, 15 cm, 20 cm

Appendix E - Summary of the Acoustic Quantities

Summary of the acoustic quantities (GP 3.5 MHz Probe)									
Index				MI	TIS			TIB	TIC
					Scan	Non-scan		Non-scan	
						A _{aprt} =1 cm ²	A _{aprt} >1 cm ²		
Maximum index value				0.496	0.610	-	-	-	(a)
	IEC	FDA	Units						
Associated acoustic parameter	p _{r,a}	p _{r,3}	(MPa)	0.896					
	P	W ₀	(mW)		38.8	-		-	-
	Min of [P _a (Z _s), I _{ta,a} (Z _s)]		(mW)				-		
	Z _s	Z ₁	(cm)				-		
	Z _{bp}	Z _{bp}	(cm)				-		
	Z _b	Z _{sp}	(cm)					-	
	z at max I _{pi,a}	Z _{sp}	(cm)	5.43					
	d _{eq} (Z _b)	d _{eq} (Z _{sp})	(cm)					-	
	f _{awf}	F _c	(MHz)	3.30	3.3	-	-	-	-
	Dim of A _{aprt}	X	(cm)		1.70	-	-	-	-
		Y	(cm)		1.70	-	-	-	-
Other Information	t _d	PD	(μs)	0.392					
	p _{rr}	PRF	(Hz)	3840					
	p _r at max. I _{pi}	p _r at PII _{max}	(MPa)	1.66					
	d _{eq} at max. I _{pi}	d _{eq} at PII _{max}	(cm)					-	
	I _{pa,3} at max. MI	I _{PA,3} at MI _{max}	(W/cm ²)	67.6					
Operating Control Conditions	256 Lines Per Scan								
	90 degree scan angle								
	15 Hz scan rate								
Note 1: Information need not be provided for any formulation of TIS not yielding the maximum value of TIS for that mode.									
Note 2: Information need not be provided regarding TIC for any Transducer Assembly not intended for transcranial or neonatal cephalic uses.									
Note 3: Information on MI and TI need not be provided if the equipment meets both the exemption clauses given in 51.2 aa) and 51.2 dd).									
(a) Intended use does not include cephalic so TIC is not computed.									

Appendix F - Interson USB Probes - Indications for Use

Interson USB Probes Clinical Application	GP 3.5 MHz
Ophthalmic	
Fetal	●
Abdominal	●
Intra-Operative (Specify)	
Intra-Operative Neurological	
Pediatric	
Small Organ	●
Neonatal Cephalic	
Adult Cephalic	
Cardiac	
Transesophageal	
Trans-Rectal	
Trans-Vaginal	
Trans-Urethral	
Intra-Vascular	
Peripheral -Vascular	
Laparoscopic	
Muscular-Skeletal Conventional	
Muscular-Skeletal Superficial	
Others (Specify)	

1. USB Transducer GP 3.5 MHz This device is a hand-held, single element, mechanical sector probe intended for transcutaneous use with the INTERSON USB ULTRASOUND PROBE SYSTEM. The nominal operating frequency is 3.5 MHz. In B-mode the transducer operates over a 35 mm area as an end-firing probe. This device is intended for use with the INTERSON USB ULTRASOUND PROBE SYSTEM for the transcutaneous imaging of neonatal, abdominal organs and structures including the gastrointestinal tract, kidney, bladder, etc., to aid in the detection and assessment of physical and functional abnormalities using established diagnostic criteria.

Appendix G - Patient Privacy and Confidentiality

There are important steps you can take to safeguard your data.

Ultrasound images, patient data files, and reports may include identifying patient information. HIPAA regulations and other patient privacy and regulatory standards require that users take reasonable care to protect this information.

It is important that you comply with your own hospital or clinic HIPAA guidelines regarding privacy and safeguarding patient information. Ask yourself these questions: What would my liability be if someone stole my laptop, computer, or storage device? What would I do if my computer hard drive crashed? Ultimately, it is the user's responsibility to assure the security of their data.

Several strategies may be used to protect data:

- 1) Control the computer and storage devices at all times. They should be locked up when not under direct control of user.
- 2) Limit access to the computer to authorized users
- 3) Password protect computer – require login.
- 4) Password protect any folders or files that include patient information. This should have adequate encryption to prevent unauthorized viewing.
- 5) Regularly back up your data and store in a safe place.

Note: Interson ViewBladder 10 software does not include electronic signature control and is not meant to substitute for an electronic medical record.

Appendix H – Calculations

Industry standard calculations are available from the Measure Tab. Specific calculations may or may not be available depending on the version and date of your SeeMore application software. Contact Interson about enabling specific calculations that may not be available in your SeeMore application software.

Available Calculations:

Bladder Volume

$$= 0.0285x^2 - 3.6624x + 129.65, \text{ where } x = H + W$$

Bladder Volume 3D

Poston et al, 1983

$$= 0.7 \times H \times W \times T$$

Appendix I - Interson Ultrasound Imaging Solutions Warranty & Extended Warranty Registration

ONE (1) YEAR STANDARD LIMITED WARRANTY

You can register your ViewBladder 10 system on our website at www.interson.com.

Scope of Warranty

Interson ("Company") warrants strictly to the original purchaser that the ViewBladder 10/ SeeMore USB Ultrasound Imaging Probe (the "Product") will perform in accordance with its official technical specifications and remain free from material and manufacturing defects. This warranty applies exclusively to products purchased from an authorized Interson dealer.

Warranty Period & Exclusive Remedy

The standard warranty is valid for a period of **one (1) year from the original date of purchase**.

- **Remedy:** The Company's sole liability and the purchaser's exclusive remedy shall be, at the Company's sole option, the repair or replacement of the Product.
- **Turnaround:** The Company agrees to replace or correct verified factory defects or errors in the Product within this timeframe.

Explicit Exclusions

This limited warranty covers strictly manufacturing faults and does not extend to:

- **Misuse & Abuse:** Loss, accidental dropping, structural damage, or damage caused by misuse, abuse, or neglect.
- **Operational Violations:** Product failure resulting from abnormal use, or operation in any manner other than specified in the Product's official operating manual.
- **Third-Party Components:** Materials, workmanship, components, or auxiliary parts provided, furnished, or warranted by another party.
- **Wear & Tear Items:** Parts subject to normal operational wear and tear over time. This explicitly includes, but is not limited to, **cables, cable connectors, connector housings, or switches**.

Warranty Disclaimer & Limitations

- **No Implied Warranties:** The Company makes no additional representations or warranties, express or implied, regarding the Product and/or its clinical use. The Company specifically disclaims any warranties of **merchantability** or **fitness for a particular purpose**.
- **Purchaser Responsibility:** The purchaser assumes full responsibility for selecting the Product and verifying it is adequate and appropriate for the purchaser's specific clinical applications.

Limitation of Liability: In no event will the Company be liable for any special, incidental, indirect, or consequential damages whatsoever (including clinical downtime, lost revenue, or profits) arising out of the use of or inability to use the product.

EXTENDED WARRANTY OPTIONS

Purchasers may opt to extend their protection by purchasing an Extended Warranty for up to two (2) additional years.

Program Benefits & Terms

- **Comprehensive Care:** This protection includes the hardware repair as outlined by standard limited warranty of probes, as well as elective yearly preventative maintenance.
- **Annual Maintenance:** Interson technicians will fully clean, calibrate, and repair the system as necessary to ensure peak performance.
- **Scope Limitation:** Extended warranty options cover the **probe only**. Handheld tablets included at time of purchase with VB10 kit, display monitors, or external computing devices are **strictly excluded** from extended coverage.
- **Eligibility Window:** The Extended Warranty must be purchased within **thirty (30) days** of original equipment ownership.

Pricing Tiers

- **Additional One (1) Year Coverage:** \$300 USD per system (**Probe only**)
- **Additional Two (2) Years Coverage:** \$600 USD per system (**Probe only**)

An “**Extended Warranty Registration**” **form** can be requested by contacting Interson at support@interson.com or has already been provided in your package at time of purchase if you would like to register and purchase the extended warranty.

Appendix J – Return and Repair Procedures (RMA)

Every product returned to Interson—whether for standard warranty claims, extended warranty maintenance, or out-of-warranty repairs—must strictly adhere to the following process:

- **RMA Authorization:** Products may be returned *only* upon the explicit issuance of a Return Materials Authorization ("RMA") number by Interson.
 - **Labeling:** The assigned RMA number must be written clearly and appear prominently on the outside of all packages and throughout all accompanying paperwork.
 - **Shipping Responsibility:** All shipping costs incurred in transporting the Product to Interson will be borne entirely by the purchaser. The Product must be sent via pre-paid freight and clearly addressed to: "**Attention: Service**".
 - **Return Shipping (Warranty & Extended Warranty Only):** For systems actively registered under an Extended Warranty, Interson will pay return domestic shipping back to the customer. International customers may incur additional return shipping, customs, or duties charges.
 - **Documentation:** The purchaser must include a detailed written note describing the exact nature of the technical problem, along with complete customer contact information. RMA form may be provided at time of request for service.
-

Equipment Manufacturer 
Interson Corporation
7150 Koll Center Parkway
Pleasanton, CA 94566 USA
Phone: 925.462.4948
Fax: 925.462.4833
Email: support@interson.com
Website: www.interson.com

© Copyright Interson Corporation. All rights reserved. No part of this manual or software may be reproduced in any form or by any means, electronic or mechanical, including but not limited to photocopying, recording, or by any information storage and retrieval systems, without the express written consent of Interson.

Windows is a trademark of Microsoft Corporation

Interson is a trademark of Interson Corporation

SeeMore USB Probe is a trademark of Interson Corporation