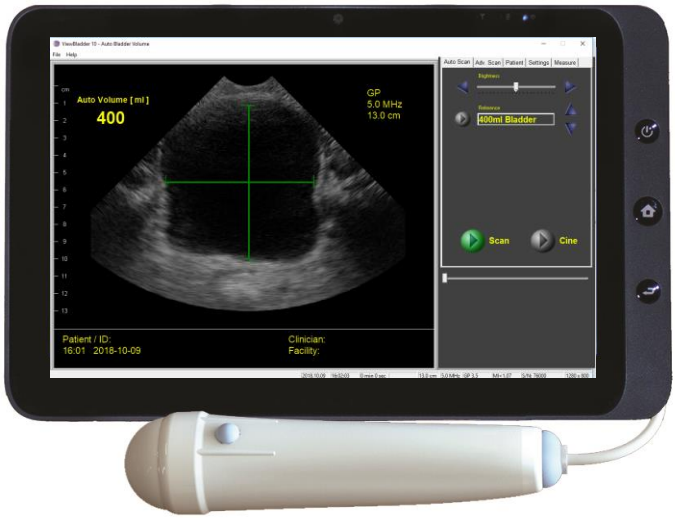
INTERSON

# ViewBladder 10™

## Tablet-based, Bladder Scanning System

## Quick Start Guide




**Assessing Post-Void Residual Bladder Volume**

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Congratulations on your purchase of the ViewBladder 10 System.
Please refer to the User Guide in the Documentation folder on the Desktop or the ViewBladder 10 on-board help menu, for additional information.

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## GETTING STARTED

1. Start the ViewBladder 10 System by connecting the USB probe and pressing the power button. This loads both Windows and ViewBladder 10. The system is ready to use in about two minutes.
2. A Splash Video provides an overview of ViewBladder 10 functions and capability. This Splash Video can be disabled on startup and can be replayed at any time using the Help pull down menu.
3. Press the blue scan/freeze button on the ultrasound probe to start scanning.
4. Apply ultrasound gel to the patient or probe.
5. Place the probe on the midline of the abdomen with the blue orientation button towards the patient's right side and the tip of the probe positioned approximately one inch above the pubic bone and angled slightly downward toward the patient's feet.
6. Rotate or tilt probe until the largest cross section of the bladder is displayed.




7. The system will estimate the bladder volume and display the volume in ml, milliliters. Milliliters is the same as cubic centimeters.
8. When you feel you have scanned the largest size of the bladder, press the blue scan/freeze button on the ultrasound probe to stop scanning.
9. The calculated volume is now displayed on the left of the screen.

**Notes**: Quality images and therefore volume estimates are obtained through a combination of proper probe placement, orientation, pressure, and adequate ultrasound gel.

Please refer to the included reference images to learn what can be obtained with proper ultrasound technique.

A short video describing the proper technique can be viewed by single tapping the displayed Full Bladder Reference image.

You can practice imaging your own bladder to develop the correct technique. Drink 500 ml of water prior to imaging your bladder, as a full bladder is easier to see. An empty bladder can be difficult to image.

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## INTRODUCTION TO VIEWBLADDER 10 CONTROLS

A short video can be viewed that describes the functions of each tab by selecting a specific tab and then selecting Video Help under the Help pull down.
The Help pull down also includes a number of Help Topics to better understand the capabilities of ViewBladder 10.

### ViewBladder 10 Display

The ViewBladder 10 display is divided into three sections:

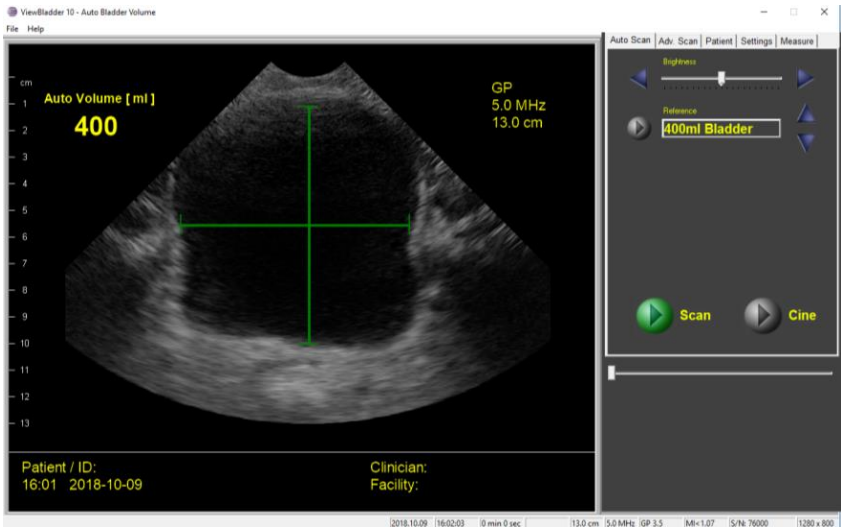
On the upper left is the **Imaging Window.** This window displays the ultrasound scan and includes measurement data from the scan.

Directly below the imaging window is the **Status Window**. The status window displays the Patient information and information about the probe.

On the right side of the screen is the **User Interface Section**. There are five tabs: Auto Scan, Adv. Scan, Patient, Settings, and Measure, to adjust the displayed image, input patient and exam information, set preferences, and perform measurements. Video Help is available for each tab by selecting a specific tab and then selecting the Help pull down, Video Help.

Operators can perform all bladder scans and measurements from the Auto Scan Tab – these functions are discussed here in this Quick Start Guide.

Detailed instructions and safety information are contained in the User Guide.




**Note:** The blue dot on the upper left side of the image window corresponds to the blue image-orientation / scan-freeze button on the probe.
The blue button on the probe is customarily pointed to the patient's right side for viewing the bladder.

## ASSESSING BLADDER VOLUME

There are four ways to assess bladder volume:

### I. Quick Look

It is quick and easy to qualitatively determine if a bladder is full or empty - without performing a volume calculation - a full bladder is easy to see.

### II. Reference Image

It is easy to determine if the patient's bladder is larger or smaller than a reference image. Select and display one of the included reference images by using the green Play button next to the Reference list box or by selecting the up and down blue arrows on the right side of the Reference list box. Clinic-specific reference images with included protocol annotations can be easily saved.

### III. Auto Volume Estimate

You can quickly estimate bladder volume when Auto Volume is selected as the measurement method. To use Auto Volume:

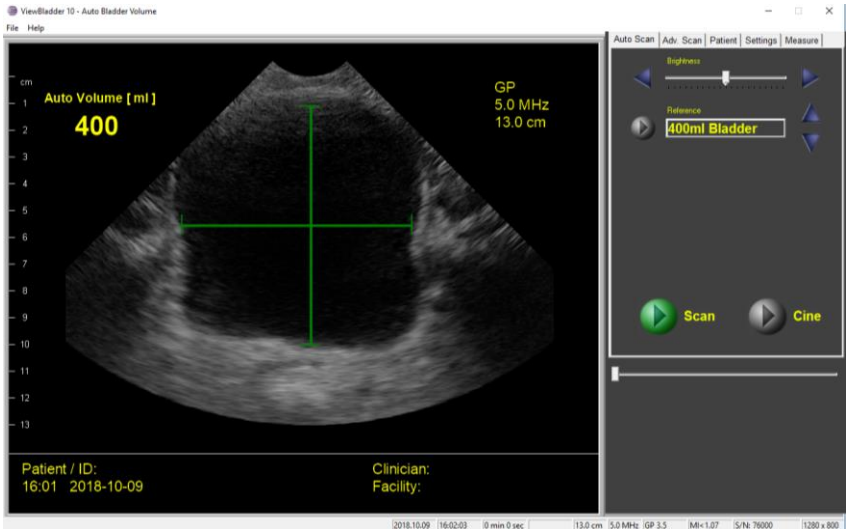
1. Start the scan by pressing the blue scan / freeze button on the probe or the green scan button on the screen of the tablet.
2. Find the largest transverse view of the patient's bladder and stop the scan.
3. ViewBladder will automatically detect the edges of the bladder, as shown by the green lines which are displayed, and calculate an estimated volume.
4. If the bladder edges were not properly detected, it is possible to adjust the green lines/yellow line by tapping or clicking where the edge of the bladder should be.
5. It is important to take the measurement at the largest transverse cross section. The Cine slider may be used to search through the past few seconds of scan to find the largest result.
6. The Cine play button can alternatively be used to play a video of the last few seconds of scan. The button can be clicked again to pause the video when the largest result is displayed.

### IV. Patient Exam and Report

The Patient Exam enables you to collect images with volume measurement data and print a single page report.

7. In the Patient tab, select an existing patient or enter and save a new patient.
8. Press Start Exam. You are now ready to take scans and save images.
9. Start the scan by pressing the blue scan / freeze button on the probe or the green scan button on the screen of the tablet.

10. Position the probe to display the bladder.
11. Make minor adjustments to the probe position to obtain the largest, most optimal bladder image.
12. Observe the bladder images and volume estimates.
13. Freeze / stop the scan when you feel you have the most optimal image. If you feel you have not stopped on the most optimal image you can perform a new scan or use the arrow keys on the keyboard to step through the previous frames.
14. From the Patent tab, press Save Image, just under Stop Exam.
15. If you would like to add an additional image to the patient report repeat steps 3 through 8.
16. From the Patient Tab you can now press Stop Exam and Print Report.
17. The report includes the first two images that were saved while the exam was open. The report's template can be changed to include additional images or to change the layout. Contact Interson for instructions on how to modify the report template.




## SAVING & VIEWING IMAGES, PRINTING REPORTS

**Saving Images** - While in a Patient Exam the first two images that are saved using Save Image are saved to the patient report folder. Measurement data that is shown on these saved images is also saved. You may also save images manually by clicking on the "Save" button at the bottom of the Adv. Scan tab.

**Viewing Saved Images** - At the bottom of the Adv.Scan tab, press the Load Image button. Select the patient folder and the specific patient exam that you wish to review. Select images with a .bs extension, as jpg images cannot be

displayed in ViewBladder 10. The current scan in the imaging window will be replaced by the retrieved scan data. The Near Gain, Mid Gain, and Far Gain, as well as Intensity and Contrast, may be used to adjust the image for personal preferences. You can load and print saved jpg images with any Windows graphics program.

**Printing Reports** - Select the Patient Tab. Select a patient from the Last Name pull down list and press the Print button. The report includes: Patient information, images, and results of the bladder volume calculation. Refer to the full User Guide for additional printing options.

## CLEANING PROBES – CARE AND HANDLING

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.

For all information on probe cleaning and disinfection, including information on compatible disinfectants, see sections Surface Cleaning and Surface Disinfection in the user's manual.

## QUICK TIPS

Bowel gas can obscure the bladder. You may have to reposition the patient or exert some pressure with the probe to displace the bowel. Try rolling them on their side, or have them sit up slightly. Remember, an empty bladder may be very difficult or impossible to image. A full bladder is very easy to see.

Software updates can be downloaded on-line. Go to the Help pull down in the upper left corner, and select ViewBladder 10 Update. The system will automatically check to see if you have the latest software and ask for your permission to download the latest version.

Contact sales@interson.com and ask for remote access to all of the ViewBladder 10 customer training material.

## WARNINGS, SAFETY INFORMATION

**WARNING**

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

**WARNING**

Do not use heat or radiation to sterilize the probe.
This will permanently damage the probe and void its warranty.

**WARNING**

Probes must be cleaned and disinfected after each use.

Refer to the ViewBladder 10 User Guide for disinfecting requirements and detailed safety information.

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## INTERSON CUSTOMER WARRANTY

**Please register your purchase within 7 days of receipt by calling Interson at 925-462-4948**

Interson (“The Company”) warrants that the ViewBladder 10 (the "Product") will perform in accordance with its specifications and is free from material and manufacturing defects. Loss or damage caused by misuse or abuse is not covered by this warranty.

The Company agrees to replace or correct any defects or errors in the Product for a period of one (1) year from the date of purchase from an authorized Interson dealer. The Company's sole liability and the exclusive remedy shall be, at the Company's option, the repair or replacement of the Product. The Company makes no additional representations or warranties, express or implied, regarding the Product and/or its use. By way of example, but not of limitation, the Company makes no representations or warranties of merchantability or fitness for a particular purpose. Purchaser assumes the responsibility for the selection of the Product as being adequate for and appropriate for purchaser's purposes.

In no event will the Company be liable for any special, incidental, indirect, or consequential damages whatsoever arising out of the use of or inability to use the product, even if the company has been advised of the possibility of such damages.

The warranty does not extend to defects to: (i) the Product arising out of material or workmanship not provided or furnished by the Company; (ii) the Product resulting from abnormal use of the Product or use in any manner other than as specified in the Product's operating manual; (iii) components or parts warranted by another party;(iv) parts which are subject to normal wear and tear, including, but not limited to, cables, cable connectors, or switches.

Product may be returned for service only upon issuance of a Return Materials Authorization number by the Company ("RMA"). The RMA number must appear on all packages and paperwork in connection with such return.

**All shipping costs incurred in shipping Product to the Company for warranty repair will be borne by the purchaser. The Product must be sent by freight pre-paid, and clearly marked “Attention: Service." Please include the nature of the problem along with all contact information and the assigned RMA number.**

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