



BladderScan® BVI 6400

Reliable, Noninvasive Bladder Volume Monitoring

- *Prevents unnecessary catheterization*
- *Reduces nosocomial urinary tract infection rates*
- *Holds multiple, voice-annotated scans, so providers can examine ten or more patients on their rounds*
- *Prevents urinary retention*
- *Facilitates volume-based toileting programs to manage incontinence*
- *Eliminates unnecessary trauma to patients*
- *Saves staff time and improves job satisfaction*
- *Battery operated and easy to use*
- *Provides fast, accurate results*

Quality System Certified
to ISO 9001, ISO 13485
and EN 46001 standards



The BladderScan® BVI 6400 is a handheld ultrasound instrument that measures bladder volume noninvasively. The BVI 6400 holds ten or more voice-annotated exams, so providers can efficiently examine multiple patients on their rounds. Exam results can then be downloaded and viewed using Diagnostic Ultrasound's ScanPoint® online imaging service. The voice annotation feature ensures that valuable patient and exam data is retained.

BladderScan® technology helps providers to determine when voiding or catheterization is necessary, reducing the risk of upper urinary tract damage, infection, and other catheter-related complications. The result is improved care and reduced overall costs. With multiple exam storage and voice annotation, the BladderScan® BVI 6400 provides enhanced performance and ease of use.

**DIAGNOSTIC
ULTRASOUND**



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HOW IT WORKS

The BladderScan® calculates bladder volume using patented V-MODE® three-dimensional ultrasound technology. V-MODE® ultrasound is accurate, fast, and easy to use. Within seconds, the BladderScan® measures ultrasonic reflections within the patient's body on multiple planes, creates a 3-dimensional image of the bladder, and calculates bladder volume. Simply apply a Sontac® gel pad, select patient gender, position the scanhead, and press the scan button. An aiming icon on the instrument's LCD screen guides the user to optimal positioning of the scanhead, to ensure accuracy of measurement. Providers can view and print BVI 6400 exam results, including ultrasound images, using ScanPoint®, Diagnostic Ultrasound's online imaging and calibration service.

The BVI 6400 instrument can hold more than ten patient exams, each of which is associated with a voice annotation. After each patient exam, the provider simply records a brief voice message to identify the patient and other relevant exam information. These annotated exams are auto-downloaded whenever the device is cradled; the associated voice record is then played when the exam is viewed on ScanPoint®. Providers are now free to do 'rounds' without returning to the computer between exams.

BladderScan™, V-MODE®, Sontac®, and ScanPoint® are trademarks of Diagnostic Ultrasound Corporation. All rights reserved.

SONTAC® GEL PADS

The BladderScan® was designed specifically to be used with Diagnostic Ultrasound's Sontac® Gel Pads. Sontac® is a unique ultrasound conducting gel pad that is placed directly on the skin of the patient. Faster and easier to apply and remove than conventional gel, the Sontac® gel pad provides superior soundwave transmission. With Sontac®, no time-consuming cleanup is required after ultrasound exams. Each Sontac® gel pad is conveniently enclosed in hygienic thin foil packaging, and the use of one gel pad suffices for the entire procedure, even if multiple scans are performed.

SPECIFICATIONS

Range

0 to 999 ml

Accuracy

± 15%, ± 15ml

Scan Time

Less than 5 seconds

Weight

Less than 11 oz. (309 grams)

Note: Accuracy is specified based upon measurements on Diagnostic Ultrasound tissue equivalent phantom using the technique stated on the phantom labeling.

Power

3.8v Li Ion rechargeable battery

Ultrasound Output Parameters

Maximum SPTA Intensity*: 1.04 mW/cm²

Maximum SPPA Intensity*: 65.0 W/cm²

Mechanical Index (MI): Maximum 0.925

Ultrasound Frequency: 3.7 MHz

Scan Angle: 120 degrees

Mode: V-MODE® (multiple, aligned B-mode images)

Operating Conditions

Temperature: +10°C to +40°C

Humidity: 30% to 75%, non-condensing

DIAGNOSTIC ULTRASOUND

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*SPTA: Spatial temporal average
SPPA: Spatial peak pulse average

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