

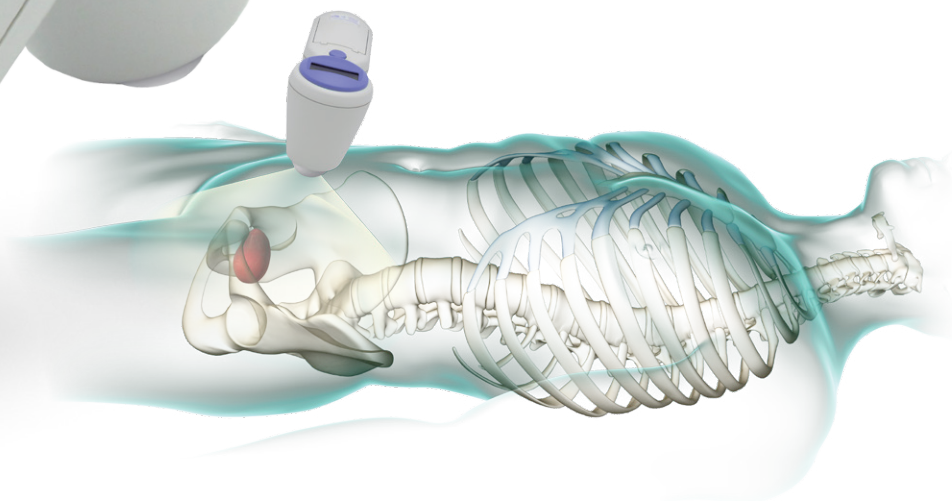


# BladderScan BVI 6400

BLADDER VOLUME INSTRUMENT



*The BladderScan® BVI 6400 is a portable, 3D ultrasound instrument that quickly, accurately, and noninvasively measures bladder volume to help health care providers diagnose, manage, and treat urinary outflow dysfunction.*



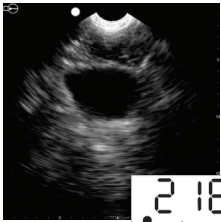
## BladderScan BVI 6400 Benefits

- Noninvasively measures bladder volume and post-void residual (PVR) on a wide range of patients
- Helps assess urinary retention and post-operative urinary retention (POUR)
- Helps evaluate many common urological conditions
  - Benign prostatic hyperplasia (BPH)
  - Bladder outlet obstruction (BOO)
  - Overactive bladder (OAB)
  - Lower urinary tract symptoms (LUTS)
- Helps prevent unnecessary catheterization and unnecessary trauma to patients
- Helps reduce rates of catheter-associated urinary tract infection (CAUTI)
- Helps caregivers manage and treat incontinence
- Improves efficiency of health care professionals by reducing costs and saving staff time



## BladderScan BVI 6400 Features

- Precision aiming ability via lightweight, portable, handheld probe
- Saves up to 10 voice-annotated exams at a time, capturing data during rounds
- Can upload exam data to electronic health record systems (EHRs) via ScanPoint® image management software
- Battery-operated
- May be calibrated online via ScanPoint



## BladderScan BVI 6400 Technology

The BladderScan BVI 6400 calculates bladder volume using patented  $V_{\text{MODE}}$ ® ultrasound technology. A BVI 6400 exam is quick, easy, and comfortable for the patient. When you press the scan button, within seconds, the instrument measures ultrasonic reflections on multiple planes inside the body producing a 3D image. Bladder volume measurements made with  $V_{\text{MODE}}$  ultrasound are more accurate than those from conventional 2-dimensional ultrasound, as they are based on this more complex, 3D image.

## BladderScan BVI 6400 Helps

### Diagnose

- Measure post-void residual (PVR) and verify an empty bladder
- Differentiate urological problems more efficiently
- Assess postoperative urinary retention (POUR)
- Identify blocked Foley catheters

### Manage and Treat

- Evaluate need to catheterize
- Discontinue Foley catheter use
- Establish voiding schedules and assist in bladder retraining

### Prevent

- Avoid unnecessary catheterization and reduce rates of CAUTI
- Reduce incontinent episodes



Probe



Charging Cradle

The CPT/HCPCS Code for post-void residual (51798) is approved for reimbursement by Medicare.

## BladderScan BVI 6400 System Includes

- Easy-to-use, handheld probe
- Combined ScanPoint® Docking Station/Charging Cradle
- Ultrasound gel
- User's Manual, Quick Reference Guide and Quick Reference Cards
- ScanPoint install CD and User's Manuals

## Specifications

The BladderScan BVI 6400 is CE Marked in accordance with the Medical Device Directive and the Verathon quality system is Quality System Certified to ISO 13485:2003 standards. US Patent No. 5235985, 6569097, 6884217. INTL Patents Pending.

**Bladder Volume Range:** 0 to 999 ml

**Accuracy:** The following accuracy specification assumes usage per instructions, scanning a Verathon Inc. Tissue Equivalent Phantom:  
0 to 999 ml  $\pm 15\%$ ,  $\pm 15$  ml

**Scan Time:** Less than 5 seconds

**Weight:** Less than 11 oz (309 grams)

**Power:** 3.8v Li-Ion rechargeable battery

**Display:** Liquid crystal

**Ultrasound Parameters:** Maximum SPTA\* Intensity: 1.04 mW/cm<sup>2</sup>  
Maximum SPPA\* Intensity: 65.0 W/cm<sup>2</sup>  
Mechanical Index (MI): 0.925 maximum  
Ultrasound Frequency: 3.7 MHz  
Scan angle: 120 degrees  
Mode:  $V_{\text{MODE}}$  (multiple, aligned B-mode images)

**Operating Conditions:** Ambient Temperature: +10° C to +40° C  
Relative Humidity: 30% to 75%, non-condensing  
Atmospheric Pressure: 70 kPa to 106 kPa

\* SPTA = Spatial temporal average  
SPPA = Spatial peak pulse average



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