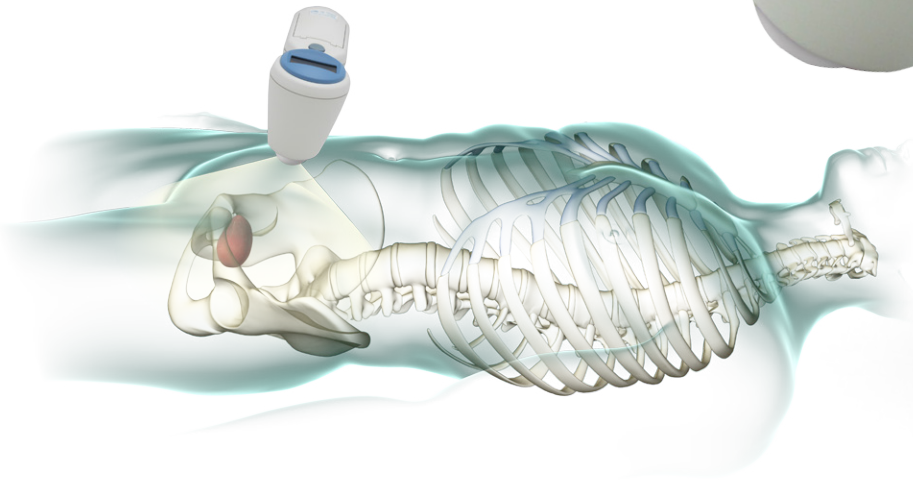




BladderScan BVI 6100

BLADDER VOLUME INSTRUMENT

The BladderScan® BVI 6100 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 6100 Benefits

- Noninvasively measures bladder volume and post-void residual (PVR) on a wide range of patients
- Helps assess urinary retention and postoperative 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 6100 Features

- Precision aiming ability via lightweight, portable, handheld probe
- Can upload exam data to electronic health record systems (EHRs) via ScanPoint® image management software
- Battery-operated
- May be calibrated online via ScanPoint



Sample Display - BVI 6100

BladderScan BVI 6100 Technology

The BladderScan BVI 6100 calculates bladder volume using patented V_{MODE}[®] ultrasound technology. A BVI 6100 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_{MODE} ultrasound are more accurate than those from conventional 2-dimensional ultrasound, as they are based on this more complex, 3D image.



Probe



Charging Cradle

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

BladderScan BVI 6100 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

BladderScan BVI 6100 System Includes

- Easy-to-use, handheld probe
- Combined ScanPoint[®] Docking Station/Charging Cradle
- Ultrasound gel
- Operations and Maintenance Manual
- ScanPoint install CD and User's Manuals

Specifications

The BladderScan BVI 6100 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 ± 15%, ± 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/cm²
Maximum SPPA* Intensity: 65.0 mW/cm²
Mechanical Index (MI): 0.925 maximum
Ultrasound Frequency: 3.7 MHz
Scan angle: 120 degrees
Mode: V_{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