

BVI 9600 with **AortaScan**[®] Mode

The BladderScan BVI 9600, with AortaScan mode, is a portable, 3D ultrasound instrument that quickly, accurately and noninvasively measures urinary bladder volume and post-void residual (PVR), and the diameter of the abdominal aorta.

NeuralHarmonics[®] technology

NeuralHarmonics technology, found exclusively in BladderScan BVI 9000 series instruments, enables quicker and more accurate bladder volume measurements than conventional two-dimensional ultrasound.



NeuralHarmonics[®]

AortaScan Mode

AortaScan Mode employs patented V_{MODE}[®] technology to measure the diameter of the abdominal aorta using noninvasive ultrasound.

BVI 9600 Benefits—Abdominal Aortic Diameter Measurement:

- Provides a measurement of the abdominal aortic diameter using noninvasive ultrasound to help physicians identify the presence of abdominal aortic aneurysms (AAA)
- Designed to provide a quick, easy to use tool for measuring the diameter of the abdominal aorta without a sonographer

BVI 9600 Benefits—Bladder Volume Measurement:

- Helps diagnose urinary retention and evaluate many common urological concerns
- Helps prevent unnecessary catheterization, which eliminates unnecessary trauma to patients
- Helps reduce rates of catheter-associated urinary tract infection (CAUTI)
- Helps differentiate between types of incontinence to determine appropriate care
- Improves efficiency of health care professionals by reducing costs and saving staff time



BVI 9600 with **AortaScan**[®] Mode



The BladderScan BVI 9600 is quick and easy to use. When the user releases the scan button, within seconds, the BVI 9600 measures ultrasonic reflections in multiple planes inside the body and produces a three-dimensional image. Based on this image, the BVI 9600 calculates and displays bladder volume or the diameter of the abdominal aorta (AortaScan mode). No sonographer is required.

BladderScan BVI 9600 exam data can be printed via the onboard printer or transmitted to your office computer or Electronic Health Record (EHR) system using ScanPoint[®] image management technology.



BladderScan BVI 9600 system includes:

- Console with easy-to-read color LCD screen with brightness control
- Easy-to-use, handheld Probe
- Battery charger/Wireless hub
- 2 Lithium-ion batteries
- User's Manual, Quick Reference Guide and Quick Reference Cards
- ScanPoint Install CD and User's Manuals
- Optional medical cart with locking wheel

BladderScan BVI 9600 Features:

- AortaScan Mode measures the diameter of the abdominal aorta to help physicians identify the presence of abdominal aortic aneurysms (AAA)
- Bladder Volume Mode measures urinary bladder volume and post-void residual (PVR)
- Precision aiming ability via Console or Probe
- Distinct bladder volume scan modes for men and women
- Voice annotation for exams to ensure valuable patient/exam data is retained
- Onboard printer for patient records or reimbursement
- Onboard video tutorial to train staff
- May be calibrated online

Specifications - BVI 9600

BladderScan Bladder Volume Instruments are CE marked in accordance with the Medical Device Directive, and the Verathon Inc. quality system is Quality System Certified to ISO 13485:2003 standards. US 6,884,217 and other patents pending.

Bladder volume range: 0 to 999 ml

Aortic diameter range: 3 to 12.4 cm

Accuracy: The following accuracy specification assumes usage per instructions, scanning a Verathon Tissue Equivalent Phantom:
Bladder volume mode: $\pm 15\%$, ± 15 ml
AortaScan mode: $\pm 15\%$, ± 0.5 cm

Power: 11.1V Li-Ion Battery Pack (2 supplied). 3.5 hours continuous use on one charge; Battery indicator

Ultrasound Output Parameters:

Maximum ultrasound I_{spad} during a scan: ≤ 5.0 mW/cm²

Maximum ultrasound I_{ppad} during a scan: ≤ 60.0 W/cm²

Maximum MI (Mechanical Index): 0.95 max

Transducer diameter: 13 mm (0.512 inches)

Transducer resonant frequency: 3.0 MHz and 1.74 MHz

Transducer bandwidth: 75% at 10 dB

Time from 3D scan initiation to result display: < 3 seconds

Display: Color LCD

The CPT/HCPCS Codes for:

Post-void residual (51798)
AAA (G 0389, 76775)

are approved for reimbursement by Medicare.