

# BladderScan BVI 9600

BLADDER VOLUME INSTRUMENT

*The BladderScan® BVI 9600, with AortaScan® mode, is a portable, 3D ultrasound instrument with dual functionality. In AortaScan mode, it quickly, accurately, and noninvasively measures the diameter of the abdominal aorta; in BladderScan mode, it measures urinary bladder volume.*



## AortaScan Mode

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



## BladderScan Mode

- Measures urinary bladder volume and post-void residual (PVR)
- Helps assess urinary retention and postoperative urinary retention (POUR)
- Helps evaluate many common urological conditions
- Helps prevent unnecessary catheterization, which eliminates unnecessary trauma to patients
- Helps reduce rates of catheter-associated urinary tract infection (CAUTI)
- Improves efficiency of health care professionals by reducing costs and saving staff time





### BladderScan BVI 9600 System Includes

- Console with easy-to-read color LCD screen
- Easy-to-use, handheld probe
- Battery charger/wireless hub
- 2 Lithium-ion batteries
- Ultrasound gel
- 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 Technology

The BladderScan BVI 9600 employs patented V<sub>MODE</sub>® technology to measure the diameter of the abdominal aorta using noninvasive ultrasound.

The BVI 9600 also utilizes NeuralHarmonics® technology, enabling quicker and more accurate bladder volume measurements than conventional two-dimensional ultrasound. When the user releases the scan button, within seconds, the BVI 9600 measures ultrasonic reflections on multiple planes inside the body and produces a three-dimensional image. Based on this image, the BVI 9600 calculates and displays the bladder volume. No sonographer is required.

### BladderScan BVI 9600 Features

- Precision aiming ability via console or probe
- Distinct scan modes for men and women
- Voice annotation for exams to ensure valuable patient/exam data is retained
- Can upload exam data to electronic health record systems (EHRs) via ScanPoint® image management software
- Onboard printer for patient records or reimbursement
- Onboard video tutorial to train staff
- May be calibrated online via ScanPoint

### Specifications

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:** ± 15%, ± 15 ml

**AortaScan mode:** ± 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  $I_{sptad}$  during a scan: ≤ 5.0 mW/cm<sup>2</sup>

Maximum ultrasound  $I_{spad}$  during a scan: ≤ 60.0 W/cm<sup>2</sup>

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 Code for

Post-void residual (51798)

AAA (G 0389, 76775)

is approved for reimbursement by Medicare.

**TALENT**

台灣總代理：

態能企業有限公司

106台北市忠孝東路3段162號2樓之1

TEL : 02-2781-1915 FAX : 02-2711-2406

WWW.TALENTMED.COM.TW

Corporate Headquarters

20001 North Creek Parkway

Bothell, WA 98011 / USA

425.867.1348 / 800.331.2313 / 425.883.2896 Fax

bladderscan.com | verathon.com

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