



The **Verathon BladderScan BVI 3000** Bladder Scanner is a portable, 3D ultrasound instrument that quickly, accurately, and noninvasively measures urinary bladder volume and post-void residual (PVR). It is battery-operated, easy-to-use, and quickly provides accurate results. In less than 5 minutes, you can use the BladderScan BVI 3000 to obtain a precise reading of a patient's bladder volume. The BVI 3000 supplies information that caregivers need to diagnose, treat and manage urinary conditions.

Features

- Helps prevent unnecessary catheterization and unnecessary trauma to patients.
- Helps reduce rates of catheter-associated urinary tract infections (CAUTI)
- LCD screen that displays bladder position and volume.
- Aiming icons that assists in proper probe placement.
- Easy-to-print exam results for patient records or reimbursement procedures.



Specifications

Dimensions (Console)

Height: 2.75" (7 cm)
Width: 9" (23 cm)
Depth: 11.25" (32 cm)
Weight: >5 lbs (>2.7 kg)

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 699 ml \pm 20%, \pm 20 ml; 700 to 999 ml \pm 25%, \pm 25 ml

Scan Time

Less than 5 seconds

Power

7.2v NiMH battery pack
Six hours continuous use on one charge
Displays battery low message when the battery is low

Display

Liquid Crystal

Ultrasound Parameters

Temporal Average Power: 1 mW maximum
Focal 20 dB Beam-Area: 1.4 cm²
Transducer Dimension: 3 mm diameter
Working Frequency: 2 MHz
Peak Instantaneous Intensity: 14 W/cm² maximum
Pulse Repetition Frequency: 180 pulses/second
Scan angle: 120 degrees
Mode: Vmode (multiple, aligned B-mode images)

Operating Conditions

Temperature: 50° F to 104° F (+10° C to +40° C)
Humidity: 30% to 75%, non-condensing

