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 ± 20%, ± 20 ml
  - 700 to 999 ml ± 25%, ± 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